Market Ready Solutions Playbook Introduction

Purpose

This is a self-service playbook for Intel® IoT Market Ready Solutions, designed to inform Intel field sellers and Intel channel partners of the available IoT solutions. This playbook offers a one-page overview of each solution along with links to additional materials to best equip sellers in the market.

If you have any questions regarding the solutions in this playbook, please contact Matthew Cope at Matthew.w.cope@intel.com

Instructions for use

The Intel® Market Ready Solutions Playbook is designed for simple navigation:

- Start on the [Intel® IoT Market Ready Solutions Overview Page](#).

- From there, click the (🏠) button to access the [Intel® IoT Market Ready Solutions Home Page](#). Select a desired use case by clicking its image. This gives you access to the search for solutions ordered by primary vertical, use case, or alphabet.

- To go back and choose a different solution, click the use case image at the top of the page.

- At any time, you can click the (🏠) button in the top right to navigate back to the Intel® IoT Market Ready Solutions Home Page.

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Market Ready Solutions Overview

Every Intel® IoT Market Ready Solution Contains Five Key attributes...

1 **End-to-end solution:** Ingests data from the edge and delivers all the way to the cloud

2 **Drive analytics:** Collects and analyzes data and informs business transformation in targeted verticals

3 **Single Source:** Provides one point where users can order, install, and maintain the solution

4 **Repeatable and Scalable:** Has at least three successful commercial deployments at two unique end customers

5 **Intel inside:** Leverages one or more Intel technologies

Value Props | Making it easier for

Customers to realize solution value

Solution partners to get solutions to market

Integrators to implement solutions

Playbook Updates – November 2024

Each month, the Intel® IoT Market Ready Solution Playbook is updated to reflect the most accurate and current information available. This includes new IoT solution overview pages as well as any updated information for existing solutions.

Below are the new solution pages for November 2024

Updates

- [Arestech AI-Enhanced Defect Detection](#)
- [BenQ RP04 Series Education Interactive Display](#)
- [Chieftek Precision Miniature 6 DoF Robot Arm](#)
- [Cumucore Mobile Private Network](#)
- [DFI Software Defined EtherCAT Motor Control bases on Intel ECI](#)
- [Digital Barriers IoVT Platform](#)
- [DigitalU3 U3-Core](#)
- [Innodisk Corporation iCAP Air Quality Devices Management Platform](#)
- [Innodisk Coporation Vision AI Model Development Starter Kit-iVIT+Camera](#)
- [Merit LILIN Edge AI Camera for Rail Defects Recognition & Mileage Positioning via 5G and Cloud](#)
- [NexCom NexMOV](#)
- [NexCom NIFE 210 Factory Automation Fanless System with Fieldbus Expansion Ability](#)
- [Profet AI AutoML Platform](#)
- [Solomon Technology SolVision](#)
- [WEG Computer Vision System](#)
- [WEG Mobile Robot](#)

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Choose Your Navigation Path

Explore three ways to view Intel® IoT Market Ready Solution in this playbook

See solutions by vertical	See solutions by use case	See solutions listed alphabetically

Solution Playbook pages are designed so users can quickly return to navigation slides. You are more likely to find similar solutions by exploring specific verticals and use cases

By clicking "See solution listed alphabetically" you can view the all up list of MRS Solutions sorted A-Z

If at any point you want to return to this slide—you can click the (🏠) icon in the top-right corner of most slides

Intel® IoT Market Ready Solutions Verticals

Click the use cases to learn more about what solutions apply to it

Retail	Hospitality	Banking/FSI	Education
Manufacturing	Energy	Health & Life Sciences	Government
Transportation	Other	Agriculture	

Intel® IoT Market Ready Solutions Use Cases

Click the use cases to learn more about what solutions apply to it

Machine Condition Monitoring	Control Optimization & Autonomy	Product Inspection	Asset & Operations Management
Energy Monitoring & Management	Human Wellness Monitoring	Situational Monitoring	Other
Logistics & Tracking	Interactive Media	Environmental Monitoring	

Click the Group to See Solutions Alphabetically

Solutions alphabetized by **company name** rather than solution name

A – C	D – G	H – L	V-Z
M – O	P – S	S – U	

Retail

Click the solutions to learn more about them

Machine Condition Monitoring

- Seavo Kiosk Peripheral Management and USB Auto-Recovery

Other

- NCR FastLane SelfServ Checkout

Control Optimization & Autonomy

- Invenda Interactive Vending and Advertising Platform for Retail and Hospitality
- SMRT1 POD

Human Wellness Monitoring

- IntraEdge and Pyramid Janus

Logistics & Tracking

- faytech AG EASY Shopper
- Hubz Smart Stores

Retail

Click the solutions to learn more about them

Asset & Operation Optimization

- Cloudpick Autonomous Store
- Diebold Nixdorf DN Series™ BEETLE A1150
- Fortinet Secure Branch
- IntraEdge Truyo
- NCR Emerald Retail Point of Sale Platform
- Omnic OmniHub All-in-One Parcel Locker & Self Service Solutions
- Theatro Intelligent Voice Assistant for the Frontline Workforce
- V-Sync SmartVendor

- Quanergy Flow Management
- SNS Network SDN BHD JOI Smart Classroom
- Winmore Digit-China Barcodeless Goods Identification Kit
- Wintec QINGDAO Self-Checkout Solution Enabled with Loss Prevention

Situational Monitoring

- Awiros Video Intelligence Platform
- Expertos En Sistemas Braingine Machine Vision
- Digifort IP Security System Digifort Cloud
- IDIS Solution Suite and IDIS Center
- Pathr.ai Spatial Intelligence
- Shinsegae I&C Spharos Cloud POS
- UST Global: Retail Analytics for Covid-19 and Beyond

Retail

Click the solutions to learn more about them

Interactive Media

- 22 Miles Interactive Video Walls
- Broox Platform
- Bütema AG Digital Signage
- ComQi Engage Platform
- Econocom Kentia Digital Signage
- Giada Digital Signage Management
- M3T Retail Kiosk
- Ombori Apps AB Grid Compute Device
- Pyramid Computer GmbH Self Checkout Kiosk
- ScreenVend Digital Retailing Solution
- Shenzhen SED Initta Intelligent POS Solution
- Sindrax Technology Interactive Multimedia Sports Game
- Smart Board Interactive Display with Smart Ops PC

- TELELOGOS Media4Display
- Toshiba Self Service Retail Total Solutions
- Toshiba TCxTM 800 All-In-One POS and Remote Monitoring In-Store Experience
- TouchSource Digital Directory Experience
- Trison signage.ninja
- UST Vision Checkout Kiosk
- ViewSonic ViewBoard

Manufacturing

Click the solutions to learn more about them

Control Optimization & Autonomy

- DFI Software Defined EtherCAT Motor Control bases on Intel ECI
- ForwardX Robotics Visual Autonomous Mobile Robots
- NexCom NIFE 210 Factory Automation Fanless System with Fieldbus Expansion Ability
- Shandong Extreme Vision Co., Ltd. Smart Factory AI Solution
- Supermicro Intelligent Secure Edge
- Wuxi Xinje Vision Guided Intelligent Welding System
- Xesol Drivox
- Xinje Electric X-SIGHT: Intelligent Industrial Controller

Energy Monitoring & Management

- The Hark Platform

Situational Monitoring

- AIRA Corporation airaTrack
- Cumucore Mobile Private Network
- Hikrobot: iWarehouse Intelligent Management Warehouse
- Innodisk Corporation iCAP Air Quality Devices Management Platform
- Staqu Technologies JARVIS For Manufacturing
- Touch Cloud/WPI TC Telescope
- Wobot Hygiene and Safety Module
- Wincomm Corporation Smart Hygiene Control Solutions

Asset & Operations Optimization

- Chieftek Precision Miniature 6 DoF Robot Arm
- DigitalU3 U3-Core
- Eigen Machine Vision
- Insight Scalable Blueprints for Digital Transformation in Industrial Manufacturing
- O'Prueba Operating System (OOS)
- Profet AI AutoML Platform
- ShareTech Information OT Security Solution
- Touch Cloud Inc. Portable Smart Construction Site Surveillance and Event Detection System
- WEG Mobile Robot

Manufacturing

Click the solutions to learn more about them

Product Inspection

- Arestech AI-Enhanced Defect Detection
- Innodisk Coporation Vision AI Model Development Starter Kit-iVIT+Camera
- Memorence AI Memorence Suite
- MiTAC Machine Vision in Factory Automation
- Orama.AOI AOI-Marketplace
- Perfectron HORUS440 – AI Visual Inspection GPU Server
- Relimetrics AI-Based QA Automation System for Electronics Assembly
- WEG Computer Vision System
- Vecow Surface Defect Inspection Solution

Machine Condition Monitoring

- Caswell Secure Edge Computing Platform
- Digital China iSESOL Intelligent Manufacturing Solution
- ORISOL Production Data Collection System (PDCS)
- Solomon Technology SolVision
- Sophic Automation Sdn Bhd Manufacturing Lights Off
- Synnex Technology International - Smart MES for Factory
- Vecow Co., Ltd. Machine to Machine Solution
- Yoi System Co., Ltd. i-X (i-ECS: Intelligent-Edge Control System)

Logistics & Tracking

- AI-Powered Logistic Solution – Alfabeta
- Braingine for Manufacturing
- Vecow Sterilization AMR

Interactive Media

- Clevertouch Interactive Communication and Collaboration Solution

Human Wellness Monitoring

- AIRA Corporation airaFACE
- Aotu AI Smart Vision Solution

Transportation

Click the solutions to learn more about them

Asset & Operation Optimization

- Cisco Maritime Ports and Terminal Operations
- Disrupt-X Cognitive Neurons
- Passengera Fleet Connectivity and Infotainment Solution
- PerfecTron Level 4 Autonomous Shuttle
- RF Controls Overhead CS Smart Antennas for Battery-Free RFID Based Real-Time Location
- Touch Cloud Abaci – The Realtime Flow and Crowd Counting Solution
- Wipro Smart i-Mine

Situational Monitoring

- 7 StarLake 5G C-V2X Smart Traffic
- AvidBeam Video Analytics
- Cisco Smart Aviation and Airports
- iOmniscient Pty Ltd IQ Roads
- Shenzhen Extreme Vision Intelligent Security Check
- Thundersoft Holographic Intersection Solution
- Videonetics Intelligent Video Management Software

Product Inspection

- Merit LILIN Edge AI Camera for Rail Defects Recognition & Mileage Positioning via 5G and Cloud

Logistics & Tracking

- Shenzhen JHCTECH Road Pricing Inspection System
- Touch Cloud AI@Sense LPRS

Interactive Media

- 22Miles Interactive Wayfinding Kiosk

Banking/FSI

Click the solutions to learn more about them

Situational Monitoring

- [Bits & Bytes Thermal Detection Kiosk](#)

Interactive Media

- [Exterity Digital Signage and IP Video Solution](#)
- [Centerm Smart Banking Solutions](#)
- [PT. Murni Solusindo Nusantara AI Powered Digital Public Information Display](#)

Asset & Operations Optimization

- [DN AllConnectSM Data Engine for Data-Driven Intelligence Powering Actionable Insights](#)

Hospitality

Click the solutions to learn more about them

Interactive Media

- Partner Tech Smart Hotel Self-Service KIOSK
- Prox Systems Co., Ltd. Restaurant Smart Service Solution
- Pyramid Computer Restaurant Ordering Kiosk

Asset & Operations Optimization

- Autocanteen Self-Service
- PreciTaste Prep Assistant
- NexCom NexMOV
- NTT System System Blue Bolt

Situational Monitoring

- V-Series Drive-Thru Analytics Solution for Quick Service Restaurants (QSR)

Health & Life Sciences

Click the solutions to learn more about them

Human Wellness Monitoring

- ASUS EndoAim Endoscopy AI Solution
- Bits & Bytes Healthcare Kiosk
- diagnext.com Diagserver Medical
- Imedtac iVMS Intelligent Vital Signs Station
- JelloX Biotech Inc. MetaLite® Digital Pathology Edge Solution
- LACHESIS Mhealth 5G Smart Ward Solution
- MIC's Sickbay™ Platform
- MITIS Health Lossless Remote Radiology & Pathology Home Reporting

- Pure Storage FlashBlade for Genomics
- StreamTeck Digital Contactless Patient Monitoring Twin
- Taiwan AI Labs DeepMets – AI Cancer Detection
- Vecow VHub AI Fever Scan Solution
- Wincomm Corporation Smart EMR Solution for e-Healthcare

Logistics & Tracking

- Pyramid Computer Essentry Visitor Verification

Health & Life Sciences

Click the solutions to learn more about them

Interactive Media

- Olea Kiosks Inc. Healthcare Check-in Kiosk
- Zhejiang Jandar Technology Wise Medical Treatment

Product Inspection

- HY Medical AI-Assisted Diagnosis of Medical Imaging on IA Solution
- Novarad Imaging Suite: Enterprise Imaging Management System, AR Surgical Guidance, and Image Sharing
- ZRT Intelligent Medical Image Review and Consultation

Asset & Operations Optimization

- HOOBOX Robotics Neonpass
- Onyx Intelligent Healthcare Interoperability Platform (iHIP)
- Vesystem Cloud Terminal Healthcare Solution
- Wincomm Corporation Smart EMR Solution for e-Healthcare

Energy

Click the solutions to learn more about them

Situational Monitoring

- AsiaInfo Private 5G Network
- Systems with Intelligence Visual/ Thermal Asset Monitoring System

Asset & Operations Optimization

- Cisco Smart Buildings

Energy Monitoring & Management

- HuaDian Intelligent Energy Management
- InSynerger Power Efficiency & Electrical Safety Management Solution
- Onesait Active Grid Management Suite

Control Optimization & Autonomy

- 7 StarLake ROC 100 – Small Form Factor Machine Learning Automation Platform

Environmental Monitoring

- Cisco Mining
- Shandong Extreme Vision Defect Detection on Product Surface – AI Edge Solution
- Vaelsys DeepWall ThermAI

Other

- Q-Net Security – Cybersecurity Hardware Solutions

Government

Click the solutions to learn more about them

Situational Monitoring

- AllGoVision – AI Powered Video Analytics
- Deep Insights
- Digital Barriers IoVT Platform
- Getac Video Solutions
- Honeywell City Suite Safe Cities
- Innodep VURIX
- Intelligent Security Systems – SecurOS FACEx
- Jovision Technology Smart Community Solution
- Mirasys Women Safety Solution
- Pegatron 5G Private Network Solution: Digital Resilience
- ST Engineering AGIL Smart Car Park Suite
- Seavo Real-Time Face Recognition Gate Access Control
- Taiyi Wulian Co. Limited Space Guardian G1

- TD Synnex Mobile Connected First Responder
- Telesoft TDAC
- TITANUS EYEoT DSS
- Trenton Systems Integrated Edge Solution with Private 5G
- Vaelsys V4
- Vehant Technologies TrafScan® Vehicle Detection System

Asset & Operations Optimization

- Graymatics AI Driven Advanced Video Analytics
- Honeywell Airport Solutions
- Outsight 3D LiDAR Insights for Smart Cities & Roads
- Zotera Radius Industrial Automation Technologies

Interactive Media

- Grupo MSA – Electronic Ballot System (EBS) by vot.ar

Environmental Monitoring

- Disrupt-X Ignite Shield
- Shenzhen Genew Intelligent Technology Multifunctional Smart LightPoles

Control Optimization & Autonomy

- ISSD Electronics SPECTO™ Incident Detection System
- NEC SDM Integrated ECO-System
- Widya Robotics Intelligent Gate

Government

Click the solutions to learn more about them

Logistics & Tracking

- OnLogic Singlewire InformaCast Fusion Server

Other

- Phonexia Speech Platform

Education

Click the solutions to learn more about them

Asset & Operations Optimization

- Centerm Weixun Intelligent Cloud Solution for School District
- Prowise Full Solution for Education

Situational Monitoring

- CathexisVision – Video Security Management Solution

Interactive Media

- BenQ RP04 Series Education Interactive Display
- CVTE MAXHUB
- i3-Technologies Hybrid Teaching
- JWIPC iLearn Remote Class Interactive
- Nanjing Mythware Information Technology Mythware Smart Classroom
- Schoolnet India Limited K-Class Powered by K-Yan
- Sindrax Intelligent Gamified Kids (Pre-school) Education System
- WolfVision Cynap Pure

Other

Click the solutions to learn more about them

Situational Monitoring

- Axis Camera Station S-Series Network Video Recorders

Interactive Media

- 22Miles Visual Communications
- Acromove Private 5G
- Cisco IP Fabric for Media
- Crestron Collaboration Solution Refresh
- Olea Kiosks Inc. Ticketing and Booking Kiosks
- ViewSonic Wireless Collaboration Display

Asset & Operations Optimization

- Prescriptive Data NANTUM
- Switch Automation – Building Optimization Platform
- Wipro Limited Digital Twin for Smart Buildings
- Wipro Limited Edge Device Management for OT and IoT
- Wipro Limited Smart i-Building

Agriculture

Click the solutions to learn more about them

Product Inspection

Click the solutions to learn more about them

Manufacturing

- Arestech AI-Enhanced Defect Detection
- Innodisk Coporation Vision AI Model Development Starter Kit-iVIT+Camera
- Memorence AI Memorence Suite
- MiTAC Machine Vision in Factory Automation
- Orama.AOI AOI-Marketplace
- Perfectron HORUS440 – AI Visual Inspection GPU Server
- Relimetrics AI-Based QA Automation System for Electronics Assembly
- WEG Computer Vision System
- Vecow Surface Defect Inspection Solution

Health & Life Sciences

- HY Medical AI-Assisted Diagnosis of Medical Imaging on IA Solution
- Novarad Imaging Suite: Enterprise Imaging Management System, AR Surgical Guidance, and Image Sharing
- ZRT Intelligent Medical Image Review and Consultation

Transportation

- Merit LILIN Edge AI Camera for Rail Defects Recognition & Mileage Positioning via 5G and Cloud

Machine Condition Monitoring

Click the solutions to learn more about them

Manufacturing	Retail

Manufacturing

- Caswell Secure Edge Computing Platform
- Digital China iSESOL Intelligent Manufacturing Solution
- ORISOL Production Data Collection System (PDCS)
- Solomon Technology SolVision
- Sophic Automation Sdn Bhd Manufacturing Lights Off
- Synnex Technology International - Smart MES for Factory
- Vecow Co., Ltd. Machine to Machine Solution
- Yoi System Co., Ltd. i-X (i-ECS: Intelligent-Edge Control System)

Retail

- Seavo Kiosk Peripheral Management and USB Auto-Recovery

Situational Monitoring

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Government

- AllGoVision – AI Powered Video Analytics
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- Digital Barriers IoVT Platform
- Getac Video Solutions
- Honeywell City Suite Safe Cities
- Innodep VURIX
- Intelligent Security Systems – SecurOS FACEx
- Jovision Technology Smart Community Solution
- Mirasys Women Safety Solution
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- Telesoft TDAC
- TITANUS EYEoT DSS
- Trenton Systems Integrated Edge Solution with Private 5G
- Vaelsys V4
- Vehant Technologies TrafScan® Vehicle Detection System

Energy

- AsiaInfo Private 5G Network
- Systems with Intelligence Visual/ Thermal Asset Monitoring System

Banking/FSI

- Bits & Bytes Thermal Detection Kiosk

Education

- CathexisVision – Video Security Management Solution

Situational Monitoring

Click the solutions to learn more about them

Transportation

- 7 StarLake 5G C-V2X Smart Traffic
- AvidBeam Video Analytics
- Cisco Smart Aviation and Airports
- iOmniscient Pty Ltd IQ Roads
- Thundersoft Holographic Intersection Solution
- Shenzhen Extreme Vision Intelligent Security Check
- Videonetics Intelligent Video Management Software

Manufacturing

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- Cumucore Mobile Private Network
- Hikrobot: iWarehouse Intelligent Management Warehouse
- Innodisk Corporation iCAP Air Quality Devices Management Platform
- Staqu Technologies JARVIS For Manufacturing
- Touch Cloud/WPI TC Telescope
- Wincomm Corporation Smart Hygiene Control Solutions
- Wobot Hygiene and Safety Module

Retail

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- Digifort IP Security System Digifort Cloud
- Expertos En Sistemas Braingine Machine Vision
- IDIS Solution Suite and IDIS Center
- Pathr.ai Spatial Intelligence
- Shinsegae I&C Spharos Cloud POS
- UST Global: Retail Analytics for Covid-19 and Beyond

Other

- Axis Camera Station S-Series Network Video Recorders

Hospitality

- V-Series Drive-Thru Analytics Solution for Quick Service Restaurants (QSR)

Interactive Media

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- Pyramid Computer Restaurant Ordering Kiosk

Interactive Media

Click the solutions to learn more about them

Other

- 22Miles Visual Communications
- Acromove Private 5G
- Cisco IP Fabric for Media
- Crestron Collaboration Solution Refresh
- Olea Kiosks Inc. Ticketing and Booking Kiosks
- ViewSonic Wireless Collaboration Display

Banking/FSI

- Exterity Digital Signage and IP Video Solution
- Centerm Smart Banking Solutions
- PT. Murni Solusindo Nusantara AI Powered Digital Public Information Display

Retail

- 22 Miles Interactive Video Walls
- Broox Platform
- Bütema AG Digital Signage
- ComQi Engage Platform
- Econocom Kentia Digital Signage
- Giada Digital Signage Management
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- Shenzhen SED Initta Intelligent POS Solution
- Sindrax Technology Interactive Multimedia Sports Game
- Smart Board Interactive Display with Smart Ops PC
- Toshiba Self Service Retail Total Solutions
- Toshiba TCxTM 800 All-In-One POS and Remote Monitoring In-Store Experience
- TouchSource Digital Directory Experience
- Trison signage.ninja

- TELELOGOS Media4Display
- UST Vision Checkout Kiosk
- ViewSonic ViewBoard

Manufacturing

- Clevertouch Interactive Communication and Collaboration Solution

Logistics & Tracking

Click the solutions to learn more about them

Retail

- faytech AG EASY Shopper
- Hubz Smart Stores

Manufacturing

- AI-Powered Logistic Solution – Alfabeta
- Braingine for Manufacturing
- Vecow Sterilization AMR

Transportation

- Shenzhen JHCTECH Road Pricing Inspection System
- Touch Cloud AI@Sense LPRS

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- Xinje Electric X-SIGHT: Intelligent Industrial Controller

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- NEC SDM Integrated ECO-System
- Widya Robotics Intelligent Gate

Energy

- 7 StarLake ROC 100 – Small Form Factor Machine Learning Automation Platform

Retail

- Invenda Interactive Vending and Advertising Platform for Retail and Hospitality
- SMRT1 POD

Asset & Operations Optimization

Click the solutions to learn more about them

Transportation

- Cisco Maritime Ports and Terminal Operations
- Disrupt-X Cognitive Neurons
- Passengera Fleet Connectivity and Infotainment Solution
- PerfecTron Level 4 Autonomous Shuttle
- RF Controls Overhead CS Smart Antennas for Battery-Free RFID Based Real-Time Location
- Touch Cloud Abaci – The Realtime Flow and Crowd Counting Solution
- Wipro Smart i-Mine

Energy

- Cisco Smart Buildings
- ADMS Applications

Retail

- Cloudpick Autonomous Store
- Diebold Nixdorf DN Series™ BEETLE A1150
- Fortinet Secure Branch
- IntraEdge Truyo
- NCR Emerald Retail Point of Sale Platform
- Omnic OmniHub All-in-One Parcel Locker & Self Service Solutions
- Quanergy Flow Management
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- V-Sync SmartVendor
- Winmore Digit-China Barcodeless Goods Identification Kit
- Wintec QINGDAO Self-Checkout Solution Enabled with Loss Prevention

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- Honeywell Airport Solutions
- Outsight 3D LiDAR Insights for Smart Cities & Roads
- Zotera Radius Industrial Automation Technologies

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- Prowise Full Solution for Education

Manufacturing

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- Profet AI AutoML Platform
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- Touch Cloud Inc. Portable Smart Construction Site Surveillance and Event Detection System
- WEG Mobile Robot

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Other

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- Switch Automation – Building Optimization Platform
- Wipro Limited Digital Twin for Smart Buildings
- Wipro Limited Edge Device Management for OT and IoT
- Wipro Limited Smart i-Building

Hospitality

- Autocanteen Self-Service
- NexCom NexMOV
- NTT System System Blue Bolt
- PreciTaste Prep Assistant

Human Wellness Monitoring

Click the solutions to learn more about them

Health & Life Sciences

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- diagnext.com Diagserver Medical Communication System
- Imedtac iVMS Intelligent Vital Signs Station
- JelloX Biotech Inc. MetaLite® Digital Pathology Edge Solution
- LACHESIS Mhealth 5G Smart Ward Solution
- MIC's Sickbay™ Platform
- MITIS Health Lossless Remote Radiology & Pathology Home Reporting
- Pure Storage FlashBlade for Genomics

- StreamTeck Digital Contactless Patient Monitoring Twin
- Taiwan AI Labs DeepMets – AI Cancer Detection
- Vecow VHub AI Fever Scan Solution

Manufacturing

- AIRA Corporation airaFACE
- Aotu AI Smart Vision Solution

Retail

- IntraEdge and Pyramid Janus

Energy Monitoring & Management

Click the solutions to learn more about them

Energy	Manufacturing

Energy

- HuaDian Intelligent Energy Management
- InSynerger Power Efficiency & Electrical Safety Management Solution
- Onesait Active Grid Management Suite

Manufacturing

- The Hark Platform

Environmental Monitoring

Click the solutions to learn more about them

Government

- Disrupt-X Ignite Shield
- Shenzhen Genew Intelligent Technology Multifunctional Smart LightPoles

Energy

- Cisco Mining
- Shandong Extreme Vision Defect Detection on Product Surface – AI Edge Solution
- Vaelsys DeepWall ThermAI

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Other

Click the solutions to learn more about them

Energy	Government	Retail

- Q-Net Security – Cybersecurity Hardware Solutions

- Phonexia Speech Platform

- NCR FastLane SelfServ Checkout

intel.

Solutions from A-C

Click the solutions to learn more about them

#

- 7 StarLake 5G C-V2X Smart Traffic
- 7 StarLake ROC 100 – Small Form Factor Machine Learning Automation Platform
- 22 Miles Interactive Video Walls
- 22Miles Interactive Wayfinding Kiosk
- 22Miles Visual Communications

A

- Acromove Private 5G
- AIRA Corporation airaTrack
- AIRA Corporation airaFACE
- AI-Powered Logistic Solution – Alfabeta
- AllGoVision – AI Powered Video Analytics
- Aotu AI Smart Vision Solution
- Arestech AI-Enhanced Defect Detection
- AsiaInfo Private 5G Network
- ASUS EndoAim Endoscopy AI Solution
- Autocanteen Self-Service

- AvidBeam Video Analytics
- Awiros Video Intelligence Platform
- Axis Camera Station S-Series Network Video Recorders

B

- BenQ RP04 Series Education Interactive Display
- Bits & Bytes Healthcare Kiosk
- Bits & Bytes Thermal Detection Kiosk
- Braingine for Manufacturing
- Broox Platform
- Bütema AG Digital Signage

C

- Caswell Secure Edge Computing Platform
- CathexisVision – Video Security Management Solution
- Centerm Smart Banking Solutions
- Centerm Weixun Intelligent Cloud Solution for School District
- Chieftek Precision Miniature 6 DoF Robot Arm
- Cisco IP Fabric for Media
- Cisco Maritime Ports and Terminal Operations
- Cisco Mining
- Cisco Smart Aviation and Airports
- Cisco Smart Buildings
- Clevertouch Interactive Communication and Collaboration Solution
- Cloudpick Autonomous Store
- ComQi Engage Platform
- Crestron Collaboration Solution Refresh
- Cumucore Mobile Private Network
- CVTE MAXHUB

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Solutions from D-G

Click the solutions to learn more about them

D

- Deep Insights
- DFI Software Defined EtherCAT Motor Control bases on Intel ECI
- diagnext.com Diagserver Medical Communication System
- Diebold Nixdorf DN Series™ BEETLE A1150
- DN AllConnectSM Data Engine for Data-Driven Intelligence Powering Actionable Insights
- Digifort IP Security System Digifort Cloud
- Digital Barriers IoVT Platform
- Digital China iSESOL Intelligent Manufacturing Solution
- DigitalU3 U3-Core
- Disrupt-X Cognitive Neurons
- Disrupt-X Ignite Shield

E

- Econocom Kentia Digital Signage
- Eigen Machine Vision
- Expertos En Sistemas Braingine Machine Vision
- Exterity Digital Signage and IP Video Solution

F

- faytech AG EASY Shopper
- Fortinet Secure Branch
- ForwardX Robotics Visual Autonomous Mobile Robots

G

- Getac Video Solutions
- Giada Digital Signage Management
- Graymatics AI Driven Advanced Video Analytics
- Grupo MSA – Electronic Ballot System (EBS) by vot.ar

Solutions from H-L

Click the solutions to learn more about them

H

- Hikrobot: iWarehouse Intelligent Management Warehouse
- Honeywell Airport Solutions
- Honeywell City Suite Safe Cities
- HuaDian Intelligent Energy Management
- Hubz Smart Stores
- HY Medical AI-Assisted Diagnosis of Medical Imaging on IA Solution
- The Hark Platform
- HOOBOX Robotics Neonpass

I

- i3-Technologies Hybrid Teaching
- Imedtac iVMS Intelligent Vital Signs Station
- Insight Scalable Blueprints for Digital Transformation in Industrial Manufacturing

- IDIS Solution Suite and IDIS Center
- Innodisk Corporation iCAP Air Quality Devices Management Platform
- Innodisk Coporation Vision AI Model Development Starter Kit-iVIT+Camera
- IntraEdge and Pyramid Janus
- IntraEdge Truyo
- Innodep VURIX
- Invenda Interactive Vending and Advertising Platform for Retail and Hospitality
- iOmniscient Pty Ltd IQ Roads
- Intelligent Security Systems – SecurOS FACEx
- InSynerger Power Efficiency & Electrical Safety Management Solution
- ISSD Electronics SPECTO™ Incident Detection System

J

- JelloX Biotech Inc. MetaLite® Digital Pathology Edge Solution
- Jovision Technology Smart Community Solution
- JWIPC iLearn Remote Class Interactive

L

- LACHESIS Mhealth 5G Smart Ward Solution

Solutions from M-O

Click the solutions to learn more about them

M

- M3T Retail Kiosk
- Memorence AI Memorence Suite
- Merit LILIN Edge AI Camera for Rail Defects Recognition & Mileage Positioning via 5G and Cloud
- MIC's Sickbay™ Platform
- Mirasys Women Safety Solution
- MiTAC Machine Vision in Factory Automation
- MITIS Health Lossless Remote Radiology & Pathology Home Reporting

N

- Nanjing Mythware Information Technology Mythware Smart Classroom
- NCR Emerald Retail Point of Sale Platform
- NCR FastLane SelfServ Checkout
- NEC SDM Integrated ECO-System
- NexCom NexMOV
- NexCom NIFE 210 Factory Automation Fanless System with Fieldbus Expansion Ability
- Novarad Imaging Suite: Enterprise Imaging Management System, AR Surgical Guidance, and Image Sharing
- NTT System System Blue Bolt

O

- Olea Kiosks Inc. Ticketing and Booking Kiosks
- Olea Kiosks Inc. Healthcare Check-in Kiosk
- Ombori Apps AB Grid Compute Device
- Omnic OmniHub All-in-One Parcel Locker & Self Service Solutions
- Onesait Active Grid Management Suite
- OnLogic Singlewire InformaCast Fusion Server
- Onyx Intelligent Healthcare Interoperability Platform (iHIP)
- O'Prueba Operating System (OOS)
- Orama.AOI AOI-Marketplace
- ORISOL Production Data Collection System (PDCS)
- Outsight 3D LiDAR Insights for Smart Cities & Roads

Solutions from P-S

Click the solutions to learn more about them

P

- Pathr.ai Spatial Intelligence
- Partner Tech Smart Hotel Self-Service KIOSK
- Passengera Fleet Connectivity and Infotainment Solution
- Perfectron HORUS440 – AI Visual Inspection GPU Server
- PerfecTron Level 4 Autonomous Shuttle
- Phonexia Speech Platform
- PreciTaste Prep Assistant
- Prescriptive Data NANTUM
- Profet AI AutoML Platform
- Pegatron 5G Private Network Solution: Digital Resilience
- Prowise Full Solution for Education
- Prox Systems Co., Ltd. Restaurant Smart Service Solution
- Powered Digital Public Information Display
- PT. Murni Solusindo Nusantara AI

- Pure Storage FlashBlade for Genomics
- Pyramid Computer Essentry Visitor Verification
- Pyramid Computer GmbH Self Checkout Kiosk
- Pyramid Computer Restaurant Ordering Kiosk

Q

- Q-Net Security – Cybersecurity Hardware Solutions
- Quanergy Flow Management

R

- Relimetrics AI-Based QA Automation System for Electronics Assembly
- RF Controls Overhead CS Smart Antennas for Battery-Free RFID Based Real-Time Location

S

- Schoolnet India Limited K-Class Powered by K-Yan
- Seavo Kiosk Peripheral Management and USB Auto-Recovery
- Seavo Real-Time Face Recognition Gate
- Shandong Extreme Vision Defect Detection on Product Surface – AI Edge Solution
- Shandong Extreme Vision Co., Ltd. Smart Factory AI Solution
- ShareTech Information OT Security Solution
- Shenzhen Extreme Vision Intelligent Security Check
- Shenzhen Genew Intelligent Technology Multifunctional Smart LightPoles
- Shenzhen SED Initta Intelligent POS Solution

intel.

Solutions from S-U

Click the solutions to learn more about them

S

- Shenzhen JHCTECH Road Pricing Inspection System
- Shinsegae I&C Spharos Cloud POS
- Staqu Technologies JARVIS For Manufacturing
- ST Engineering AGIL Smart Car Park Suite
- Sindrax Intelligent Gamified Kids (Pre-school) Education System
- Sindrax Technology Interactive Multimedia Sports Game
- Smart Board Interactive Display with Smart Ops PC
- SMRT1 POD
- SNS Network SDN BHD JOI Smart Classroom
- Solomon Technology SolVision
- StreamTeck Digital Contactless Patient Monitoring Twin
- Supermicro Intelligent Secure Edge

- Systems with Intelligence Visual/Thermal Asset Monitoring System
- Sophic Automation Sdn Bhd Manufacturing Lights Off
- Switch Automation – Building Optimization Platform
- Synnex Technology International - Smart MES for Factory

T

- Taiwan AI Labs DeepMets – AI Cancer Detection
- Taiyi Wulian Co. Limited Space Guardian G1
- TD Synnex Mobile Connected First Responder
- TELELOGOS Media4Display
- Telesoft TDAC
- Theatro Intelligent Voice Assistant for the Frontline Workforce
- Thundersoft Holographic Intersection Solution
- TITANUS EYEoT DSS

- Toshiba TCxTM 800 All-In-One POS and Remote Monitoring In-Store Experience
- Touch Cloud AI@Sense LPRS
- TouchSource Digital Directory Experience
- Touch Cloud/WPI TC Telescope
- Touch Cloud Abaci – The Realtime Flow and Crowd Counting Solution
- Touch Cloud Inc. Portable Smart Construction Site Surveillance and Event Detection System
- Trenton Systems Integrated Edge Solution with Private 5G
- Trison signage.ninja

U

- UST Global: Retail Analytics for Covid-19 and Beyond
- UST Vision Checkout Kiosk

Solutions from V-Z

Click the solutions to learn more about them

V

- Vaelsys DeepWall ThermAI
- Vaelsys V4
- Vecow VHub AI Fever Scan Solution
- Vecow Co., Ltd. Machine to Machine Solution
- Vecow Surface Defect Inspection Solution
- Vecow Sterilization AMR
- Vehant Technologies TrafScan® Vehicle Detection System
- V-Series Drive-Thru Analytics Solution for Quick Service Restaurants (QSR)
- V-Sync SmartVendor
- Vesystem Cloud Terminal Healthcare Solution
- Videonetics Intelligent Video Management Software
- ViewSonic ViewBoard
- ViewSonic Wireless Collaboration Display

W

- WEG Computer Vision System
- WEG Mobile Robot
- Widya Robotics Intelligent Gate
- Wincomm Corporation Smart EMR Solution for e-Healthcare
- Wincomm Corporation Smart Hygiene Control Solutions
- Winmore Digit-China Barcodeless Goods Identification Kit
- Wintec QINGDAO Self-Checkout Solution Enabled with Loss Prevention
- Wipro Limited Digital Twin for Smart Buildings
- Wipro Limited Edge Device Management for OT and IoT
- Wipro Limited Smart i-Building
- Wipro Smart i-Mine
- Wobot Hygiene and Safety Module
- WolfVision Cynap Pure
- Wuxi Xinje Vision Guided Intelligent Welding System

X

- Xesol Drivox
- Xinje Electric X-SIGHT: Intelligent Industrial Controller

Y

- Yoi System Co., Ltd. i-X (i-ECS: Intelligent-Edge Control System)

Z

- Zhejiang Jandar Technology Wise Medical Treatment
- Zotera Radius Industrial Automation Technologies
- ZRT Intelligent Medical Image Review and Consultation

7 StarLake 5G C-V2X Smart Traffic

■ Solution Overview

The future of intelligent transportation will focus on developing effective vehicle/pedestrian management, improving road safety, and enhancing the operational performance of transport networks. Metropolis officials want to leverage advanced technologies to connect infrastructures for greater visibility and strong management of city operations. The 7StarLake 5G C-V2X Smart Traffic solution leverages and connects 5G connectivity, AIoT technology, and vehicle sensors to quickly capture data to monitor public safety and provide citizens or public officials with real-time road safety alerts.

■ Value Props

Enable AI + IoT connectivity with IoT vehicle sensors utilizing 5G and cutting-edge AI algorithms to identify, predict, and learn traffic patterns

Help increase public safety by monitoring pedestrian and vehicle incidents to expedite emergency responses

Improve road infrastructures by tracking traffic signs, collecting real-time heat map information, and obstacle detection tools to adapt roadway signals
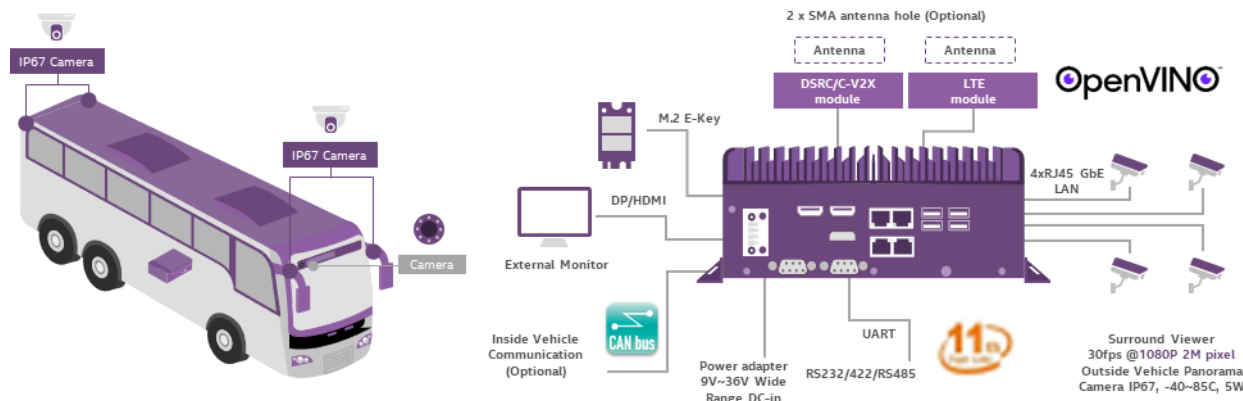
IP67 Camera
IP67 Camera
Camera
2 x SMA antenna hole (Optional)
Antenna
Antenna
DSRC/C-V2X module
LTE module
OpenVINO™
M.2 E-Key
DP/HDMI
External Monitor
4xRJ45 GbE LAN
Inside Vehicle Communication (Optional)
CAN bus
Power adapter 9V~36V Wide Range DC-in
RS232/422/RS485
UART
Surround Viewer 30fps @1080P 2M pixel Outside Vehicle Panorama Camera IP67, -40~85C, 5W

■ Intel Components

- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Core™ i7 Processors
- Intel® Xeon SP Silver

Target Vertical:
Transportation and Warehousing

Secondary Vertical:
Government

Target Use Case:
Situational Monitoring

Secondary Use Case:
Environment Monitoring

Geo Availability
APJ, Americas, Europe, Middle East, and Africa

Learn More
- 7 StarLake Website
- AI Infrastructure For Autonomous Driving Video

Solution Overview

In the post-COVID era, industries like retail, warehousing, manufacturing, and transportation are on the verge of a transformative shift, with intelligent solutions leading the charge in future robotics. Beyond operational upgrades, the fusion of artificial intelligence and machine learning-driven automation aims to unlock sustained productivity, especially in innovative sectors like energy, agriculture, architecture, and the public domain. This wave of transformation extends beyond workplaces, evolving into dedicated companions that reshape human experiences across healthcare, science, education, social interactions, and personalized services. Envision a future where these trends not only tackle post-COVID challenges but also propel us into a well-balanced and imaginative world of robotics, seamlessly enhancing every aspect of our lives.

Value Props

Avionics Revolutionized
Provides real-time, three-dimensional insights enhancing situational awareness, ensuring safer flights and mission success.

Unleashes the Power of Drones
Empowers users with unparalleled control and precision.

Smart Traffic Management
Analyzes real-time data and optimizes traffic flow, minimizing congestion, enhancing safety, and ensuring efficient transportation networks for the future.

Autonomous Driving Redefined
Leverages advanced sensors and AI algorithms, enabling vehicles to navigate complex environments with ease.

Human Figure Robotics
Seamlessly integrates human figure robots into its ecosystem, enhancing operational efficiency and safety across various industries.

Intel Components

- Intel® Xeon®
- Intel® RealSense™ Technologies
- Intel® OpenVINO™

ROC100 – Small Form Factor Machine Learning Automation Platform Market Ready Solution

SFF Rugged GPU Computer

Primary Industry:
Energy

Additional Industries:
Government, Manufacturing, Retail, Transportation and Warehousing

Primary Use Case:
Control Optimization and Autonomy

Additional Use Cases:
Environment Monitoring, Logistics & Tracking, Machine Condition Monitoring, Product Inspection, Situational Monitoring

Geo Availability:
Asia, Pacific and Japan, Americas, Europe, Middle East and Africa

Solution Sales Contact:
press@7starlake.com

Intel Sales Contact:
Wendy Wu
wendy.wu@intel.com

Solution Webpage:
https://7starlake.com/products/defense/1u-12-2u-12/roc100

Sales Guidance: Indicators that the ROC100 – small form factor machine learning automation platform solution may be a good fit.

Assess:
❑ Organizations requiring complex tasks completed in hazardous environments
❑ Car manufacturers looking to add or improve autonomous driving in their vehicles
❑ Organizations looking to utilize drones in a more meaningful way

Discover:
❑ Work even in extreme temperatures and humidity
❑ Extreme compact size
❑ Real-time response rate

Pain Points:
❑ Application latency
❑ Large/sensitive hardware causing usage restrictions
❑ Manual data input processes

22Miles Visual Communications

Solution Overview

22Miles Visual Communications provides corporate communications solutions that can be customized for any brand, aesthetic, or function. Integration agnostic, this solution meets the communications needs of a wide range of scenarios including operations, marketing, and security.

Value Props

Optimize operations and ease of management by improving corporate communications, increased security, room booking and conferencing, hoteling, hot-desking, and guest management

Increase engagement by centralizing communications with dynamic custom content, supported by cloud computing and AI tools, that integrate past and live-time user data captured at the device's edge

Augment safety and security with Protection-as-a-Service™ by controlling authorized access and publishing real-time alerts to help mitigate public health and execute emergency protocols

Intel Components

- Intel® Celeron® Processors
- Intel® Core™ i3, i5, i7, i9 Processors

Touchless Touch*
- Secure Mobile Control
- Speech Recognition Control

Visitor Management*
& Check-In Kiosk
- Badge Scan
- Employee Data Integration
- CDC Questionnaire

Virtual Concierge*
- Video Call
- HR Announcements

Back Office Protection*
- Open Area Live Monitoring
- Concierge Call Live Scan
- Interface and Privacy Control

*22Miles Visual Communications solutions do not store data collected from solution enabled devices

Target Vertical: Other

Secondary Verticals: Government, Banking, Education, Health & Life Sciences, Hospitality, Transportation

Target Use Case: Interactive Media

Geo Availability
Asia/Pacific/ Japan, People's Republic of China, Europe/Middle East/Africa, United States, Latin America and Canada

Learn More
- 22Miles Resources and Case Studies
- Digital Signage for Corporations
- Intel® & 22Miles - Solutions Video
- 22Miles Supported Integrations

22Miles Interactive Wayfinding Kiosk

22MILES
DIGITAL SIGNAGE & WAYFINDING

Solution Overview

A powerful digital signage solution that improves the wayfinding experience by helping end-users navigate busy, complex transportation hubs and buildings using interactive, real-time navigation, mapping, and info, all easily managed from the 22Miles Publisher Pro CMS.

Value Props

Inform and engage end-users with dynamic messaging, AR content, and 3D map views

Improve the wayfinding experience with smart pathway algorithms and destination routing

Simplify signage management through a centralized content management systems
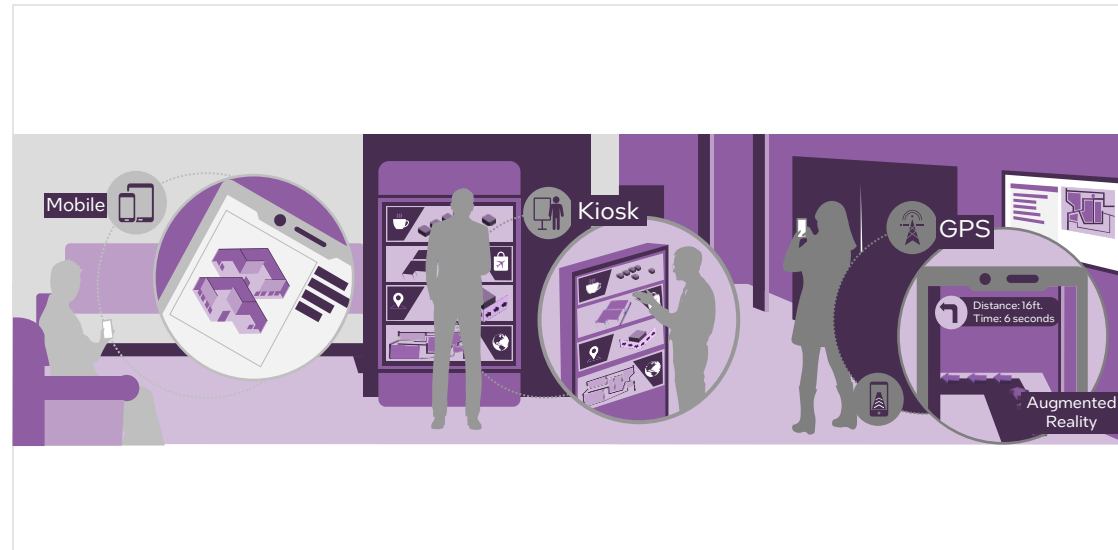
Intel Components

- Intel® NUC featuring Intel® Core™ i5 and Intel® Core™ i7 processors
- Intel® Xeon® processors

Target Vertical:
Transportation

Secondary Verticals:
Hospitality, Education, Health & Life Sciences, Government, Enterprise

Target Use Case:
Interactive Media
Secondary Use Case:
Situational Monitoring

Geo Availability
North America, South America (except for Argentina), EMEA, APAC (Japan, Korea, Hong Kong)

Learn More
- 22Miles interactive wayfinding kiosk product webpage
- 22Miles case studies

22MILES
DIGITAL SIGNAGE & WAYFINDING

Interactive Video Walls

Solution Overview

The 22Miles video wall solution is compatible with any Intel® Core™ i5, i7 to i9 based player. Once engaged with a customer, the first task is to define the technical requirements, such as the video wall size, the resolution, the desired design and application usage, and the different media file formats to use. The next step is to upload the content into the CMS and set up how the content will be shown where, when, and how. The CMS software works simply off the Width and Height canvas and some added calibrations with the Intel-based player to ensure that content is published and displayed in the area as defined. Interactivity data gathered at the edge is also sent to this platform for insights and analysis, allowing clients to build and manage video wall solutions with easily customizable content zones and other personalization.

Value Props

Engage with potential customers by leveraging real-time data to deliver custom automated, high-resolution, engaging content

Reduce operational complexity and relieve team workloads by deploying an easy-to-use and to-learn CMS. This allows practically any staff to manage, schedule and publish interactive media quickly without involving IT.

Deploy and scale with ease by utilizing a platform designed to integrate as many 3rd party APIs as necessary to help clients successfully connect the 22Miles hardware and software with their existing systems. Admins can enjoy quick and easy control with drag-and-drop functionality when curating content.

Optimize content distribution through content management software that handles animations, high-definition videos, and live data feeds that can be deployed on any screen, at any size, and remotely managed from anywhere.

Intel Components

- Intel® Xeon™ SP Gold
- Intel® NUC
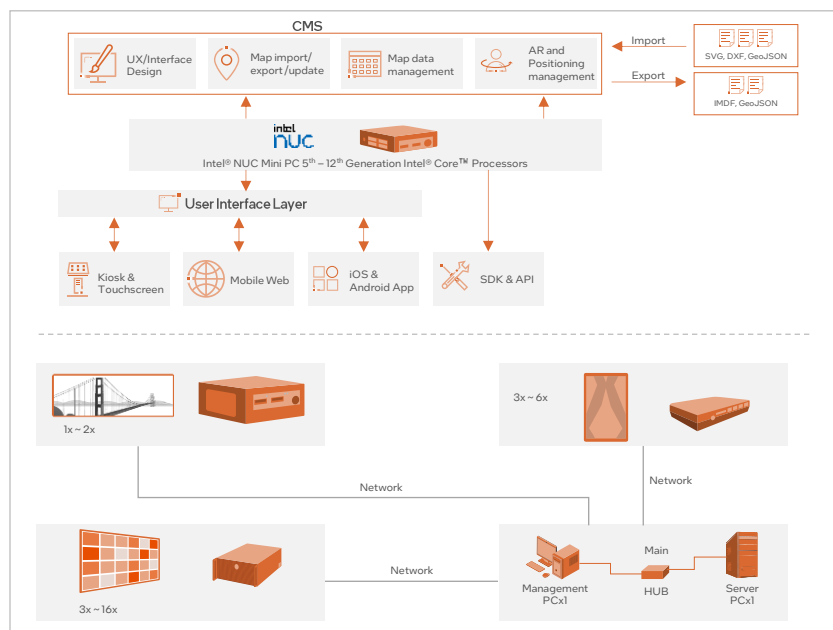
Target Vertical: Retail

Secondary Vertical:
Banking/Financial Services, Education, Government, Hospitality and Restaurants, Manufacturing, Transportation and Warehousing, Healthcare
Partner-Provided Vertical: Large Venues and Convention Centers, Casinos and Resorts, Mixed-Use

Target Use Case: Interactive Media
Secondary Use Case: Logistics & Tracking
Partner-Provided Use Case: Visual Communications

Geo Availability
Global

Sales Contact
imari.adams@mail.22miles.com

Learn More
- Corporate Offices Video Wall - Nationwide
- Video Walls | Digital Signage & Wayfinding Software
- Contact Us | Digital Signage & Wayfinding Software

Diagram

CMS

| UX/Interface Design | Map import/export/update | Map data management | AR and Positioning management |

Import → SVG, DXF, GeoJSON
Export → IMDF, GeoJSON

intel nuc
Intel® NUC Mini PC 5th – 12th Generation Intel® Core™ Processors

User Interface Layer

| Kiosk & Touchscreen | Mobile Web | iOS & Android App | SDK & API |

1x ~ 2x

3x ~ 6x

Network

3x ~ 16x

Network

Management PCx1   HUB   Main   Server PCx1

Network

intel

Acromove Private 5G

Solution Overview

The broadcasting industry has traditionally relied on point-to-point COFDM or public 5G networks for streaming and data transmission. However, these technologies are not without their limitations. Network congestion from smartphone users at live events, restricted camera mobility within the venue, and compromised connectivity, negatively impact viewers' experiences and broadcasters' potential revenue streams. Acromove Inc.'s Private 5G solution addresses the challenges of traditional wireless technologies and public 5G networks by combining private 5G networks and edge cloud computing within a compact, efficient, and easily deployable system. Integration with wireless broadcast cameras is assisted by the solution's inherent edge datacenter capabilities and onboard decoders. Equipped with 5G modems and encoders, the solution provides unmatched mobility and flexibility for camera movement on location. Acromove Private 5G helps broadcasters achieve seamless streaming and maximizes the viewer experience making it an unparalleled choice for the ever-evolving world of live event broadcasting operations.

Value Props

Optimize broadcast operations with a solution that deploys in 15 minutes and includes an uninterruptible power supply to minimize disruptions during critical moments of the event

Elevate audience experience and reach by providing seamless high-quality, real-time live streaming to help keep viewers engaged throughout the event and potentially attract larger online audiences, maximizing revenue opportunities through advertising, pay-per-view, and sponsorships

5G **Scale network coverage as needed** by customizing the number of 5G small cell antennas deployed around the event space to optimize coverage for each venue and event.

5G Private
Network on N77

Hybrid Fiber/Copper
>300m Cable

Backbone Transmission
to Distribution and Audience

Edge DataCenter in-a-box with
5G core/StreamHub/Broadcast
With up to 1hr of UPS

Wi-Fi to On-Set
Editing/Mixing/Broadcast
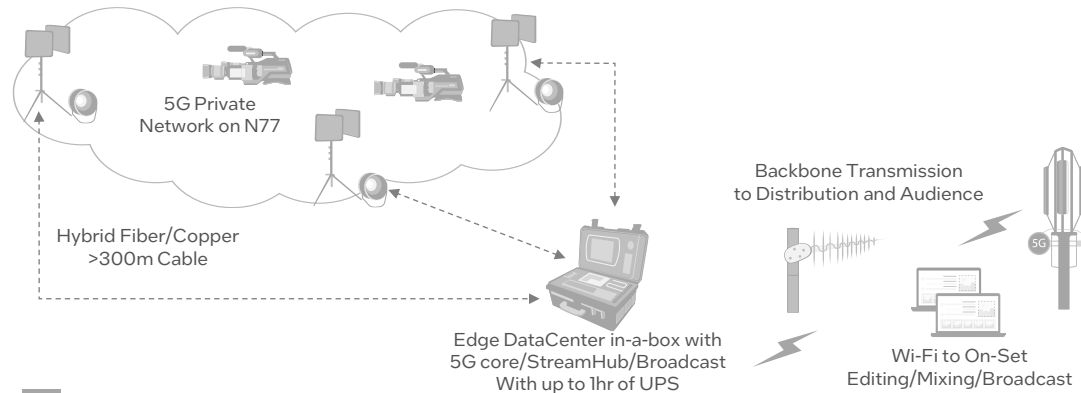
Intel Components

- Intel® Xeon® E3
- Intel® Ethernet 810
- Intel® Smart Edge

Verticals:
Agriculture, Energy, Government, Hospitality & Restaurants, Manufacturing, Retail, Transportation & Warehousing

Use Cases:
Asset & Operations Optimization, Energy Monitoring & Management, Interactive Media, Machine Condition Monitoring, Situational Monitoring

Geo Availability:
Americas, EMEA

Sales Contact:
George Katiniotis
george.katiniotis@acromove.com

Solution Webpage:
Acromove Inc. Private 5G

Learn More:
Acromove Inc. Homepage

AI-Powered Logistic Solution – Alfabeta

Solution Overview

A solution that provides real-time information of all activities and movements, allowing end-to-end management of flow of goods, and data-driven analytics for decision making. This effectively addresses the need for more efficient logistics costs to gain competitive advantages.

Value Props

Increase efficiency and shorten cycle time

Generate effective control, transparent procedures, and real-time monitoring

Improve sales and business profitability by enhancing existing systems and processes

GR Process in Warehouse **3**

2 Dock Gate Identification

1 Truck Identification

Target Vertical:
Manufacturing

Target Use Case: Logistics & Tracking

Secondary Use Case: Situational Monitoring

Geo Availability

Available in APJ

Learn More

- Proof of Concept Report
- Alfabeta Technology Solutions
- Alfabeta Partnership with Intel

Intel Components
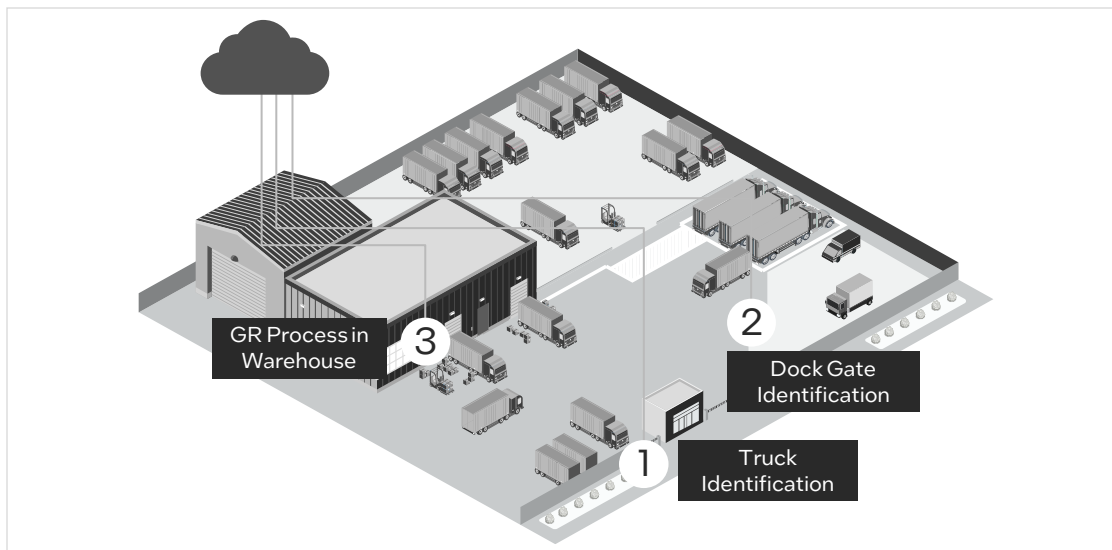
- Intel® Xeon® Processors
- Intel® Core™ i5
- Intel® NUC

- Intel® OpenVINO™ toolkit
- Intel® Media SDK
- Intelligent Video Analytics

- Optical Character Recognition
- Heatmap Generation
- Facial Recognition Technology

AIRA Corporation airaTrack

Solution Overview

airaTrack is an intelligent monitoring solution that captures, matches, and tracks faces without violating individual privacy by using automatically-generated face indexes. Faces can be captured in real time or pulled from an existing video archive. By reviewing and making a selection from an index of faces, authorized personnel leverage AI to review all video streams across the venue that contain the selected face, while other individuals are blurred. This solution can be used in most environments and with an organization's existing camera equipment. Video data from cameras is distributed by VMS software to airaTrack where it's processed at the edge.

Value Props

Help improve security for customers and employees by leveraging an intuitive, AI-enabled smart monitoring solution

Maximize ROI by leveraging existing camera infrastructure and scaling easily through adding or subtracting camera feeds

Improve security team efficiency with AI-enabled, automatic face search and matching functions that save hours of manual search time

Intel Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel® Core™ processors
- Intel® Xeon® processors
- Intel® NUC
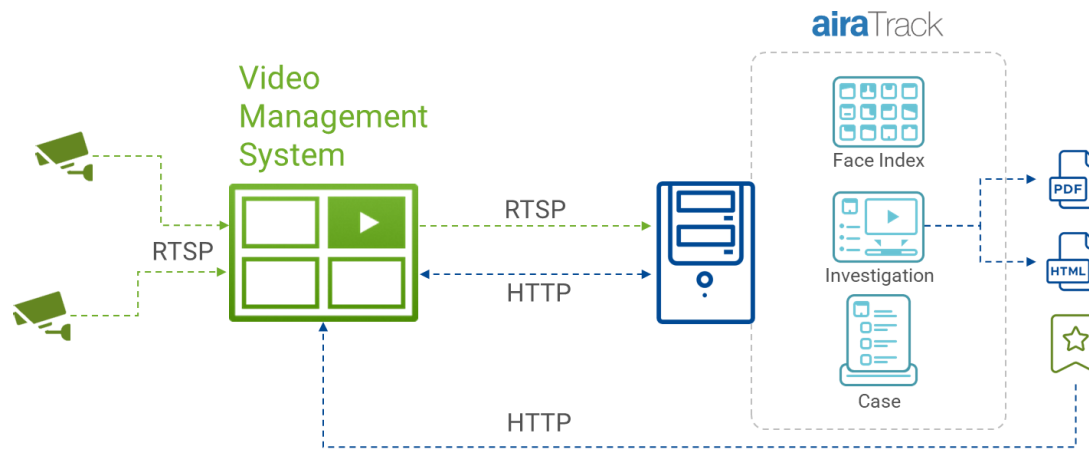
Target Vertical:
Manufacturing

Secondary Vertical: Retail, Transportation and Warehousing, Government

Target Use Case:
Situational Monitoring

Geo Availability:
APJ, Americas, EMEA

Learn More
- airaTrack Product Page
- aira Corporation Website

AllGoVision – AI Powered Video Analytics

Solution Overview

A reliable and accurate surveillance AI solution capable of analyzing a wide set of 50 edge events in smart cities, buildings, and smart businesses by tracking up to 200 cameras per server

Value Props

Monitor cities and traffic with alarm cases from speed alerts, to license plate recognition

Secure smart buildings by monitoring boundary crossings, and smoke and object detection

Gain business insights by tracking crowd movement and facial recognition

Intel Components

- Intel® Core™ i7
- Intel® Xeon®
- Intel® Vision Accelerator Design Products with Intel® Myriad™ Movidius™ X VPU
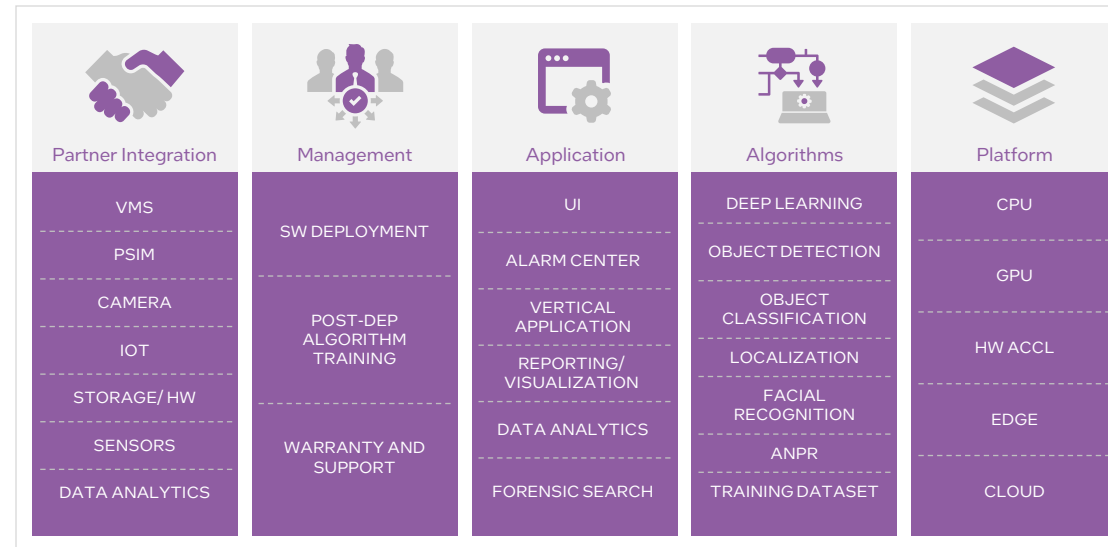
Partner Integration	Management	Application	Algorithms	Platform
VMS	SW DEPLOYMENT	UI	DEEP LEARNING	CPU
PSIM		ALARM CENTER	OBJECT DETECTION	GPU
CAMERA	POST-DEP ALGORITHM TRAINING	VERTICAL APPLICATION	OBJECT CLASSIFICATION	
IOT		REPORTING/ VISUALIZATION	LOCALIZATION	HW ACCL
STORAGE/ HW			FACIAL RECOGNITION	
SENSORS	WARRANTY AND SUPPORT	DATA ANALYTICS	ANPR	EDGE
DATA ANALYTICS		FORENSIC SEARCH	TRAINING DATASET	CLOUD

Target Vertical: Government
Secondary Verticals: Retail, Banking/Financial Services, Hospitality, Education, Manufacturing, Transportation, Agriculture

Target Use Case: Situational Monitoring
Secondary Use Cases: Environment Monitoring, Product Inspection, Human Wellness Monitoring

Geo Availability: Globally

Learn More
- Reach out to the deployment contact at contact@allgovision.com
- Visit the AllGoVision website at https://www.allgovision.com
- Order by reaching out to the deployment contact at contact@allgovision.com or by visiting the AllGoVision website at: https://www.allgovision.com/

aira

airaFACE

Solution Overview

The AIRA airaFace solution provides highly accurate facial recognition capabilities for customers. Implementing a proprietary facial recognition engine, faces from multiple inputs such as cameras, tablets, and NVRs are analyzed to perform access control management, attendance tracking, visitor self-check-in, watchlist and deny list, VIP detection, and more.

Value Props

Simplify access points and clearances for employees and partners with a seamless welcome system, surveillance, and notification systems

Enhance security and safety with facial recognition capabilities and person/user management

Reduce labor costs with customizable, fully-automated identification and access systems

Source Device · airaTablet

Dashboard · intel. NUC · airaFace Lite · airaFace · airaFace Pro · Management

Notification · airaNotify · Trigger & Action · Wiegand · Relay · RESTful API
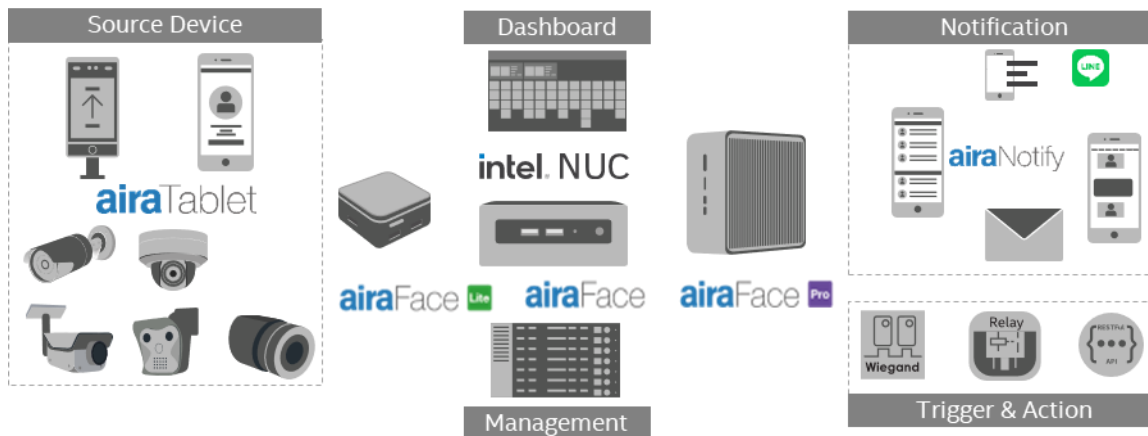
Target Vertical:
Manufacturing

Secondary Vertical:
Hospitality, Retail

Target Use Case:
Human Wellness Monitoring

Geo Availability
United States, United Kingdom, Japan, Taiwan, Southeast Asia

Learn More
- AIRA website

Intel Components

- Intel® NUC
- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Xeon® Processors
- Intel® Core™ Processors

AΘU
AI Smart Vision Solution

Solution Overview

OSHA reports, that in 2021, an average of 14 fatal occupational injuries occurred each day.[1] Of these injuries, at least 9 were caused by fall, slip, and trip accidents, contact with objects and equipment, or transportation incidents.[2] Despite being rife with potentially hazardous areas, dangerous equipment, and limited human supervision, factories often have limited tools to effectively manage safety. Together, Aotu and Intel® created an intelligent video solution to digitally transform factory worker safety management in these environments. The AI Smart Vision Solution For Factory Worker Safety integrates existing video management systems with artificial intelligence technology to detect various risks in factory production and operations. The solution delivers comprehensive AI inspection reports and warning alerts for key scenarios and employee behaviors to help improve safety compliance. Management teams are thus enabled to rapidly identify problems and efficiently create preventative solutions to avoid severe injury and accidents in the workplace.

Value Props

Help improve safety outcomes and prevent incidents by leveraging computer vision to detect safety violations and potential hazards.

Reduce operations cost and workload with edge AI that leverages existing monitoring infrastructure and automatically generates daily safety compliance reports.

Expand easily with a flexible configuration that supports integration with other enterprise applications and enables rapid scaling and accommodation of custom scenarios.

Intel Components

- Intel® Core™ i7, i9 processors
- Intel® Xeon® processors
- Intel® Distribution of OpenVINO™ toolkit

When a safety violation occurs, the video AI analysis generates an early warning capture recording, an audio alert, and light on-site reminder.
Example Scenario:
A pedestrian is on their phone in a person-vehicle intersection area.

The system generate real-time warning records.

30-second playback of videos records the activity for evidence collection

Manual secondary verification ensures that the statistical results are accurate for management decision-making.

Real-time alerts, analytics and statistic reports are presented in the homepage

Target Vertical:
Manufacturing

Secondary Verticals:
Energy, Retail, Transportation and Warehousing

Target Use Case:
Human Wellness Monitoring

Secondary Use Case:
Environmental Monitoring, Product Inspection, Situational Monitoring

Geo Availability:
Americas, EMEA, PRC

Sales Contact:
sales@aotu.ai

Solution Webpage:
Aotu.ai - An AI Smart Vision Solution For Factory Worker Safety Solution Webpage

Learn More:
Aotu.ai

Arestech
Modular Embedded Computing

Solution Overview

Arestech ensures production quality with AI-enhanced defect detection. The core of Machine Vision involves the utilization of image processing, pattern recognition, and deep learning. It enables machines to recognize and identify objects, shapes, colors, textures, and patterns with remarkable accuracy and speed. This visual intelligence allows the possibilities for automation, quality control, safety enhancement, and precise decision-making, revolutionizing how industries operate and interact with their environments. Machine Vision Industrial PCs play a pivotal role in real-life applications of Machine Vision. Machine Vision tasks often involve complex calculations and intensive image-processing algorithms. Industrial PCs are equipped with powerful processors and graphic processing units (GPUs), enabling them to efficiently handle the computational demands of Machine Vision applications.

Value Props

Multiple input options allow for analysis of multiple camera and data sensors simultaneously.

Diverse integration with various cameras and peripherals.

Customizable options resulting in tailored hardware components.

-20°C - 60°C wide temperature operation.

Intel Components

- Intel® Core™
- Intel® OpenVINO™

Arestech AI-Enhanced Defect Detection Market Ready Solution

Expansion

M.2 Storage

DC Redundant

Expansion Slots

Quad Display

AC POWER

Primary Industry:
Manufacturing

Primary Use Case:
Product Inspection

Geo Availability:
Asia, Pacific and Japan, People's Republic of China

Solution Sales Contact:
sales@arestech.com.tw

Intel Sales Contact:
Henry Khor
henry.khor@intel.com

Solution Webpage:
https://www.arestech.com.tw/list/solutions-machine-vision.htm

Sales Guidance: Indicators that the Arestech AI Enhanced Defect Detection solution may be a good fit.

Assess:
❑ Manufacturers looking to automate or improve efficiency of quality-control processes
❑ Manufacturers looking to reduce labor costs
❑ Manufacturers wanting to improve product consistency

Discover:
❑ Scale to end customers' needs
❑ Operate even in extreme temperatures
❑ Maintain high inspection quality with reduced labor costs

Pain Points:
❑ Poor quality control/defect detection
❑ High labor costs

intel. MARKET READY

Solution Overview

AsiaInfo Private 5G Network mainly supports hybrid private network, and independent private network scenarios. By deploying 5G equipment to customers' factories or industrial parks, it brings customers capabilities such as ultra-large bandwidth, ultra-low delay, and ultra-high security. The service industries include but are not limited to power generation, harbor, mining, and industrial manufacturing.

Value Props

Specialized Industry Features
Adaptable to the special environments and specific application scenarios of various industries.

Full-Stack Digital Intelligence Solutions
End-to-end complete product portfolio. One-stop delivery operation and maintenance services.

Specialized Security Connections
Independent networking meets the connectivity needs of specialized networks.

Specialized Radio Coverage
Specialized 5G radio base stations that meet the terminal access needs of industries.

Intel Components

- Intel® Core
- Intel® FlexRAN
- Intel® OpenVINO
- Intel® DPDK Data Plane Development Kit (for packet acceleration)

Sales Guidance: Indicators that the AsiaInfo Private 5G Network solution may be a good fit.

Assess:
- ❑ Businesses looking to establish a private network
- ❑ Organizations looking to control vehicles or equipment remotely
- ❑ Companies wanting to prevent data/information from leaving the business site/area

Discover:
- ❑ Scale to end customer needs
- ❑ Implement quickly with "plug and play" capability
- ❑ Integrate with generic standard hardware and racks

Pain Points:
- ❑ Unreliable service
- ❑ Security breaches
- ❑ High operating costs
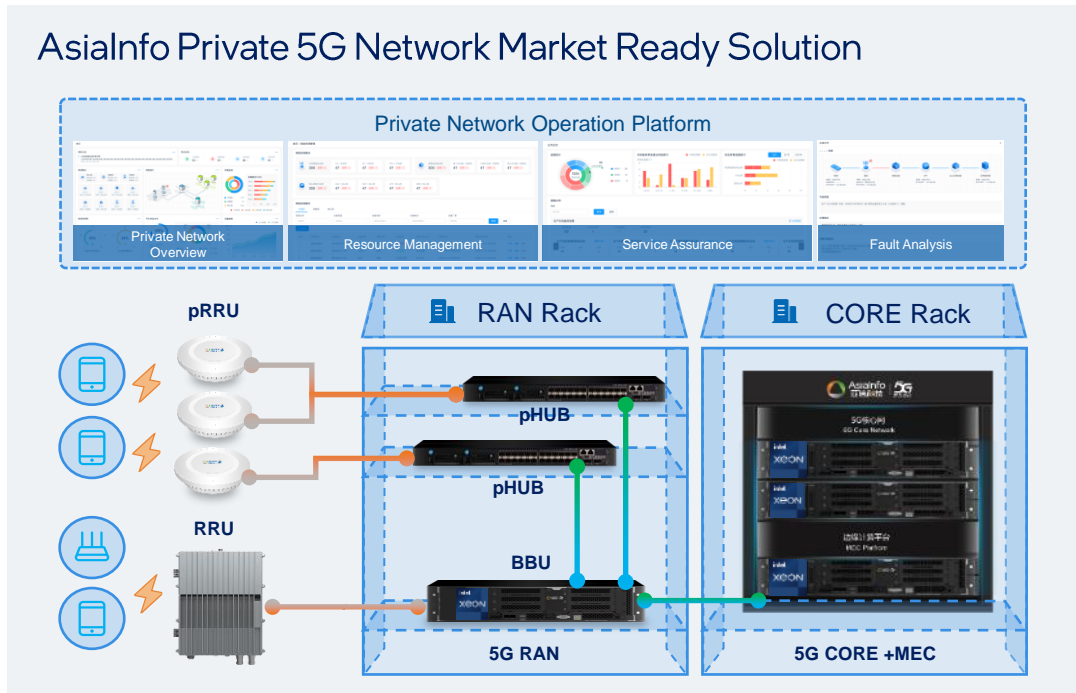
AsiaInfo Private 5G Network Market Ready Solution

Private Network Operation Platform

| Private Network Overview | Resource Management | Service Assurance | Fault Analysis |

pRRU — RAN Rack — CORE Rack — pHUB — pHUB — RRU — BBU — 5G RAN — 5G CORE +MEC

Primary Industry:
Energy

Additional Industries:
Banking/Financial Services, Government, Hospitality & Restaurants, Manufacturing, Transportation & Warehousing

Primary Use Case:
Situational Monitoring

Additional Use Cases:
Asset & Operations Optimization, Control Optimization & Autonomy, Energy Monitoring & Management, Environment Monitoring, Logistics & Tracking

Geo Availability:
Global

Solution Sales Contact:
Zeng Gang
zenggang3@asiainfo.com

Intel Sales Contact:
Hongyu Li
hongyu1.li@intel.com

Solution Webpage:
https://www.asiainfo.com/en_us/product_aisware_5g_agilenetwork.html

ASUS EndoAim Endoscopy AI Solution

Solution Overview

Colorectal cancer is the third most common cancer worldwide[1]. While diagnosing colon-related cancers is a straightforward procedure, spotting abnormalities along all 6 feet of the large intestine is still a labor-intensive process prone to human error. Research shows that, even with highly skilled doctors, adenoma detection rates plummet by end of day due to fatigue or operators rushing through procedures[2]. Together, ASUS and Intel created the ASUS EndoAim Endoscopy AI Solution to assist medical practitioners with real-time identification and classification of polyps in colonoscopy images. The solution tags suspected polyps and other abnormalities with accuracy and sensitivity rates over 90%. Leveraging the solution, doctors are able to increase their polyp detection rate leading to more accurate evaluations and avoiding unnecessary tissue biopsies or additional procedures.

Value Props

Improve detection and reduce miss rates with the solution operating as another pair of eyes to accurately detect polyps, even those that can be easily overlooked

Provide accurate diagnoses with AI polyp classification, helping to avoid unnecessary biopsies and improve patient care

Maximize value of currently owned equipment with a solution that easily integrates with existing endoscopy systems

Intel Components

- Intel® Core™ i5 processors
- Intel® Core™ i7 processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Iris® Xe

Olympus series Endoscopy → Input video signal → Hardware: ASUS Mini-PC Software: EndoAim → Output analyzed result → Endoscopy monitor

Capture real-time image → Analyze image → Detection model Classification model Size Measurement model

CPU: 11th & 13th Gen Intel® Core™ Processor
GPU: Intel Iris Xe → OpenVINO support model calculation

(1) Real-time polyp detection
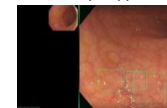
(2) Real-time polyp classification (only when NBI mode on)
Result: Adenoma
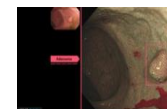
Result: Non-Adenoma

(3) Real-time polyp size measuring (only when WLI mode on & image freeze)

Target Vertical:
Health & Life Sciences

Target Use Case:
Human Wellness Monitoring

Geo Availability:
APJ

Sales Contact:
Sabrina Liu – sabrina_liu@asus.com
Sales Assistance – aimedical_service@asus.com

Solution Webpage:
ASUS EndoAim Endoscopy AI Solution

Learn More:
ASUS Website

Autocanteen Self-Service

Solution Overview

The Autocanteen Self-Service is an AI powered self-checkout solution using computer vision and machine learning to recognize items like food on plates or packaged drinks and snacks to help in-store customers carry out transactions more quickly and precisely. The solution starts by scanning food objects using a 3D Image scanner to capture high quality images of food products. Once the scanner captures the image, an intelligent computer vision algorithm breaks the image down by context to detect and classify objects by known classes using a deep neural network of AI. Analyzed data is then sent to the cloud for knowledge-sharing purposes and clients get access to all their data via a cloud-based dashboard where all menus, inventory, sales, etc. are combined and available 24/7. All communication occurs via wired interfaces with no sensitive customer information processed during the transaction.

Value Props

Empower your team by requiring only one employee to oversee multiple self-checkout points. Delegate staff with non-checkout tasks to drive new business outcomes and improved customer service

Reduce queues by processing transactions within 10 seconds on average. Higher throughput during peak times will also mean increase in revenue

Stay innovative and impress clients by encouraging more customer engagement and revenue growth with Autocanteen's unique digital catering offerings

1. Scan
Depth camera captures high quality 3D image.

2. Detect objects
Intelligent computer vision algorithm breaks image down by context.

3. Classify
Deep neural network AI segregates found objects by known classes.

4. Learn and sync
Learnt data sent to the cloud building up the knowledge-sharing network.

Intel Components

- Intel® Core™ i5 Processors
- Intel® Core™ i3 Processors
- Intel® Distribution of OpenVINO™ toolkit

Target Vertical:
Hospitality

Secondary Vertical:
Retail

Target Use Case:
Asset & Operations Optimization

Geo Availability
Americas, Europe, Middle East, and Africa

Learn More
Autocanteen Homepage

AvidBeam Video Analytics

Solution Overview

The AvidBeam Video Analytics solution helps customers improve the safety and security of their working environments by extracting data from video footage to deliver real-time alerts to the flow of traffic and community incidents. The data insights are then analyzed to deliver holistic business intelligence reports in elegant visual formats, which can be easily understood and acted upon accordingly. The solution supports a wide variety of use case scenarios including anomaly and traffic violation detection, and vehicle and object identification.

Value Props

Reduce total cost of operations by extending cloud processing to video in an open platform that can smoothly and quickly scale in a cost-efficient manner

Scale easily with three simple APIs offering a seamless integration process by integrating with third-party computer vision algorithms

Increase safety and security by collecting and analyzing critical data points to automate the decision-making process

Intel Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel® Core™ i7 processors
- Intel® Core™ i9 processors

ATUN

AvidBeam ATUN

AvidAuto™
AvidHawk™   AvidGuard™
AvidFace™   AvidRetail™

Cameras and Video Sources

External Systems

BMS	IoT Platform	Access Control

AvidBeam	ATUN API

Rest API

ATUN UI "Backend" "Alert, Statistics, Configurations"

ATUN Analytics Server

Object Detection	Intrusion Detection	Face recognition	LPR	PPE	ATUN Plugin

AvidBeam DNN model repository: Face detection, Face recognition, Person detection, object detection, crowd detection, etc.

Database
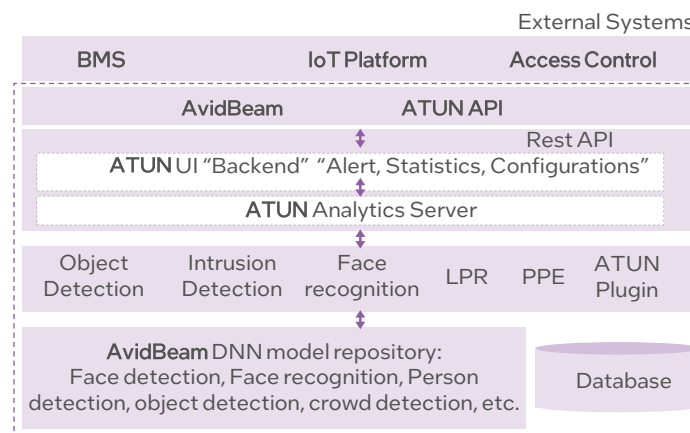
Target Vertical: Transportation

Secondary Verticals: Banking/FSI, Retail, Government, Manufacturing, Hospitality

Target Use Case: Situational Monitoring

Secondary Use Cases: Environmental Monitoring, Human Wellness Monitoring, Product Inspection, Logistics & Tracking

Geo Availability: Canada, Mexico, United States, Australia/New Zealand, India, Japan, South Korea, People's Republic of China, Taiwan, Middle East, North Africa, Turkey, Sub-Saharan Africa, United Kingdom

Sales Contact

Hossam Samy - hossam.samy@avidbeam.com

Solution Webpage

AvidBeam Solution Webpage

Awiros Video Intelligence Platform

Solution Overview

The Awiros Video Intelligence Platform is a complete, dynamic platform for video intelligence that can be deployed on any camera in a customer's network to address a range of video analytics scenarios. Awiros offers a cloud dashboard, real-time alerts, and AI-enabled insights that help transform video footage into actionable information.

Value Props

Develop AI apps with ease and deploy them at the edge or in the cloud to analyze any video stream

Scale with the click of a button across hardware, video sources, and apps to respond quickly to changing needs

Manage video streams and apps conveniently by dynamically allocating resources across locations, apps, and video sources

Intel Components

- Intel® Core™ i5 processors
- Intel® Xeon® processors
- Intel® Movidius™ Myriad™ X VPUs
- Intel® Ethernet Network Adapter (10GbE)
- Intel® Distribution of OpenVino™ Toolkit

Rack Servers · Workstations · Edge Devices

Bullet Cameras · PTZ Cameras · Analog Cameras · Body Cameras · Drone Cameras · Dome Cameras

Target Vertical: Retail

Secondary Verticals: Manufacturing, Public Safety, Transportation, Traffic Management, Logistics, and Warehousing

Target Use Case: Situational Monitoring

Secondary Use Case: Asset & Operations Optimization

Geo Availability Asia/ Pacific/Japan

Learn More
- Awiros Website
- T-Hub Article on Awiros
- Awiros Introduction Video

Axis Camera Station S-Series
Network Video Recorders

Solution Overview

At the core of every video surveillance system is the Video Management Software (VMS) and the Storage Server – also known as a Network Video Recorder (NVR) – where video is stored. This Axis solution provides users with full situational awareness and proactive security.

Value Props

Protect what matters – Axis has a surveillance solution for almost every scenario

Go beyond security – Easily enhance your solution with analytics, network audio and more

Expand easily – Quickly add new devices or other locations

Intel Components

- Intel® Core i5 Processors
- Intel® Xeon® Processors
- Intel® Xeon® Processors
- Intel® HD Graphics

Target Vertical:
Other

Secondary Vertical:
Banking/Financial Services; Education; Energy; Health & Life Sciences; Hospitality; Manufacturing; Government; Retail; Transportation

Target Use Case:
Situational Monitoring

Geo Availability
More than 50 countries

Learn More
- Axis Intel marketplace page
- Axis Camera Station webpage
- Axis communications homepage
- Axis end-to-end solutions for surveillance page

Solution Overview

BenQ education interactive displays are designed to help teaching, presentation, and collaboration. They allow for extended, seamless collaboration, stimulating innovative ideas, and they are perfect for fostering collaboration then turning students' creativity from abstract to real. The RP04 series is powerful in every way.

Value Props

Foster a Collaborative Environment: Up to 50 touch points, allowing for multiple users to interact simultaneously.

Make Group Presentations and Whole-Class Discussions More Engaging for Everyone: Teachers and students can wirelessly cast to the BenQ Board from wherever they are in the room.

Leverage Hassle-Free Management: Use DMS Cloud and NFC technology to help secure user access.

Intel Components

- Intel® Core™
- Intel® OpenVINO™
- Intel® Xeon®

BenQ RP04 Series Education Interactive Display Market Ready Solution

User Devices — Chromecast Miracast Airplay

BenQ Dual OS Interactive Display

Slot-in PC
- Whiteboard App
- Screen Cast App
- BenQ Services
- Windows 11

OpenVINO · intel CORE

OPS Interface

USB

Onboard System
- Whiteboard App
- Screen Cast App
- Cloud Agent
- BenQ Services
- Android
- SoC

I2C / UR

USB

Air sensor NFC sensor IR sensor Motion sensor Ambient light sensor

MQTT HTTPS

Public Cloud
- Account Management
- Device Management
- Configuration Management
- Dashboard
- App Cloud Services

intel XEON

Primary Industry:
Education

Additional Industries:
Other

Primary Use Case:
Interactive Media

Additional Use Cases:
Other

Geo Availability:
Asia, Pacific and Japan, Americas, Europe

Solution Sales Contact:
Jack Chang
jack.ck.chang@benq.com

Intel Sales Contact:
Henry Khor
henry.khor@intel.com

Solution Webpage:
https://www.benq.com/en-us/education/benq-board-interactive-displays/rp04-pro-series-board.html

Sales Guidance: Indicators that the BenQ RP04 Series Education Interactive Display solution may be a good fit.

Assess:
- ❏ Educators interested in utilizing AI to make student learning more accessible and inclusive
- ❏ Educational institutions looking to improve collaboration both inside and outside the physical classroom

Discover:
- ❏ Deploy quickly with preloaded, out-of-the-box system
- ❏ Save time with card tap login
- ❏ Improve classroom health with air ionizer and germ resistant technologies

Pain Points:
- ❏ Poor collaboration between remote and on-campus students
- ❏ Difficult and/or time consuming to share content/presentations

Solution Overview

A self-service kiosk has become a regular fixture in many businesses of every size. Whether at an airport or in a supermarket or in the hospitality, banking, or healthcare sectors, this system makes things easier for both customers and businesses. The ability of hospital or healthcare kiosks to simplify processes for patients and administrators offers great potential to the healthcare industry. A healthcare kiosk is an interactive device placed at a fixed spot in the hospital, designed to accomplish multiple tasks that reward patients and hospitals alike. A hospital kiosk gives patients the control to find the information themselves. By doing this, patients are actively engaged, as they can interact with the system in a meaningful way.

Value Props

Convenient and Accessible Health Monitoring
Offer a convenient way for people to track their health without seeking assistance from a healthcare professional.

Time and Cost Savings
Save time and money that would be otherwise spent on scheduling and attending doctor's appointments for periodic health checkups.

Privacy and Confidentiality
Technological devices provide a greater level of privacy and confidentiality for people who may not feel comfortable discussing their health problems with others.

Intel Components

- Intel® Core™
- Intel® OpenVINO™
- Intel® vPro®

Healthcare Kiosk Market-Ready Solution

Inputs

Information Processing / Algorithm

Reports & Analysis

Sales Guidance: Indicators that the BBIPL Healthcare Kiosk solution may be a good fit.

Assess:
❑ Hospitals with long wait times looking to improve patient experience
❑ Pharmacy or medical buildings looking to provide extra value to customers
❑ Medical clinics looking to improve patient check-in process

Discover:
❑ Access high-level health overview with single report results
❑ Accurately measure BMI
❑ Expedite patient payments

Pain Points:
❑ Long wait times
❑ Lengthy process to prioritize patients
❑ High personnel and material costs

Primary Industry:
Health and Life Science

Secondary Industry:
Retail

Use Case:
Human Wellness Monitoring

Geo Availability:
Asia, Pacific and Japan

Solution Sales Contact:
Amit Jain
amit@bitsbytes.co.in

Pradeep Tomar
bd@bitsbytes.co.in

Intel Sales Contact:
Maniner Singh
maniner.singh@intel.com

Solution Webpage:
www.bitsbytes.co.in/health-care-kiosk/

BBIPL

Bits & Bytes Thermal Detection Kiosk

Solution Overview

The Bits & Bytes Thermal Detection Kiosk increases safety of staff and customers and streamlines operations through efficient temperature measurement. Visitors and employees walk up to a kiosk and get scanned for an elevated temperature without attendant intervention, and without touching the screen. It is equipped with an HD LED screen, a touch-free hand sanitizer pump, and an IR temperature sensor.

Value Props

Provide efficient temperature measurement readings accurate to +/- 0.3 degrees1

Increase safety of staff and pedestrians through immediate notifications when a high temperature is detected

Improve operations with robust tracking of temperature measurements and any noted readings that would trigger a high temperature alert

Intel Components

- Intel® Core™ i3 Processors
- Intel® Core™ i5 Processors

Functional & Hardware Integration Architecture Diagram of Thermal Detection Kiosk by Bytes Integrations Pvt. Ltd.

Thermal Sensor
Camera
Kiosk will beep once it measures your temperature & capture your photo
Normal Temperature
Contact to admin
Kiosk will send data to server
Data sending to server for authentication
Receiving Request from Kiosk
Sending Response from Server to Kiosk after authentication
Authentication Successful
Response
Authentication Fail
H

Hardware & Software Integration
APP
Integrated with CPU
App XXXXXCPU
Integrated with CPU
Intel Core i3/i5 4GB/500GB Windows 10

Display of Kiosk Screen

Powered by: www.bitsbytes.co.in

Target Vertical:
Banking/Financial Services

Secondary Verticals:
Government, Manufacturing, Retail

Target Use Case:
Situational Monitoring

Secondary Use Cases:
Human Wellness Monitoring, Product Inspection

Geo Availability
Globally

Learn More
- Company website
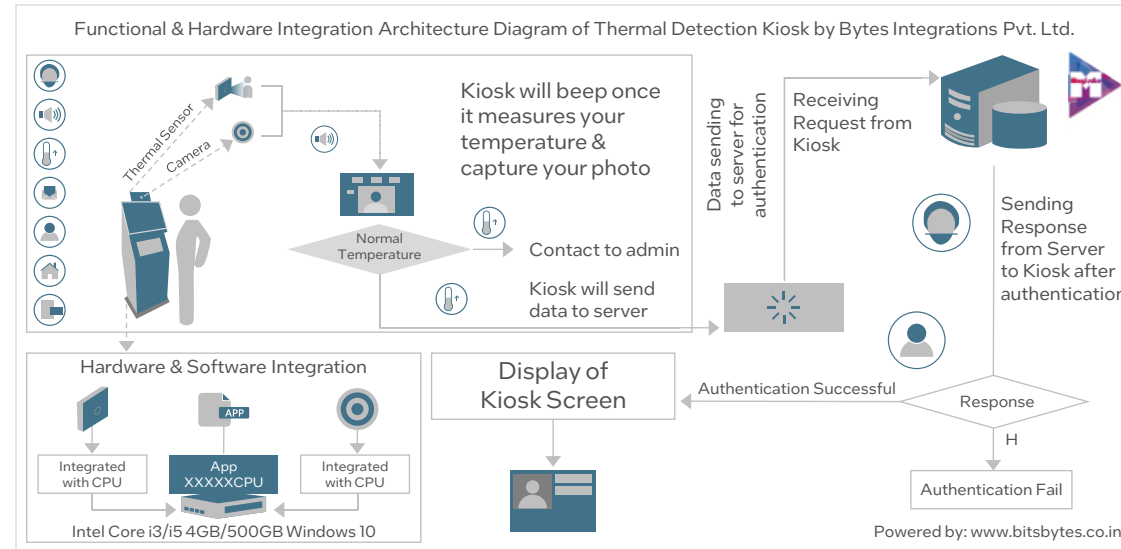
Solution Overview

Braingine enables even complex business use cases for manufacturing through Computer Vision. The platform streamlines to further processes and only requires configuration of parameters that will fit most complex environments. You can configure, test, and roll out Braingine to enable Computer Vision for a full working scenario in a week, without having to do any development at all.

Value Props

- Implementation in less than 5 days
- Hundreds of nestable configurations
- Simplifies the complexities of AI
- Centralizes and synchronizes data

Intel Components

- Intel® Core™
- Intel® RealSense™ Technologies
- Intel® OpenVINO™

Braingine for Manufacturing Market Ready Solution
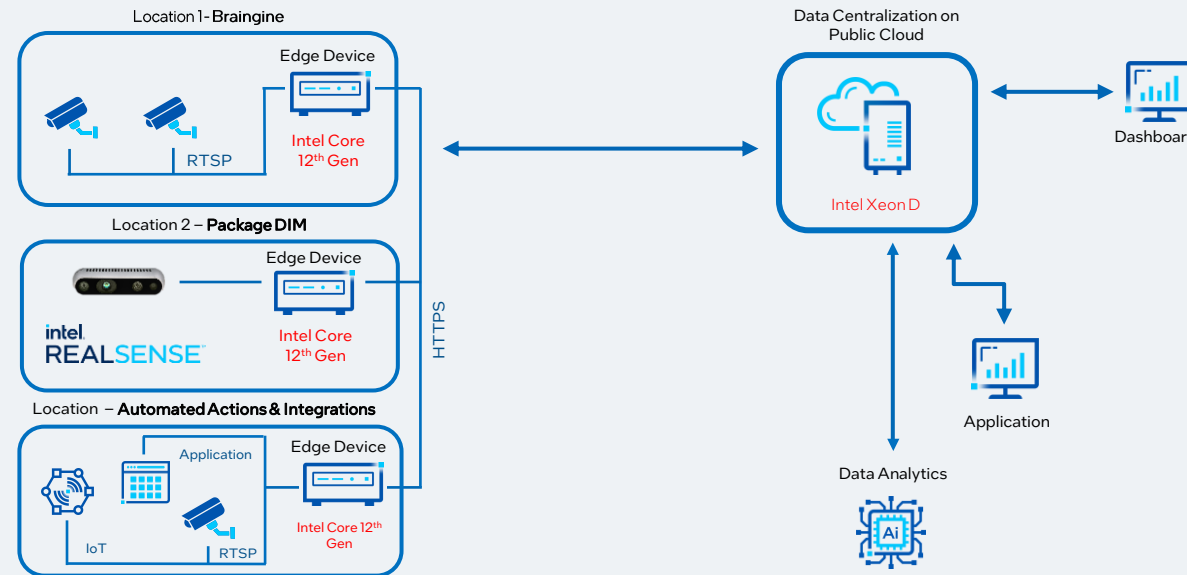
Primary Industry:
Manufacturing

Additional Industries:
Transportation and Warehousing

Primary Use Case:
Logistics & Tracking

Additional Use Cases:
Product Inspection, Situational Monitoring

Geo Availability:
Asia, Pacific and Japan, Americas, Europe, Middle East and Africa

Solution Sales Contact:
contactus@braingine.ai

Intel Sales Contact:
Claudia Ruiz
claudiax.ruiz@intel.com

Solution Webpage:
https://braingine.ai/?p=1626

Sales Guidance: Indicators that the Braingine for manufacturing solution may be a good fit.

Assess:
- ❑ Companies wanting to increase efficiency
- ❑ Companies looking to reduce/prevent accidents and improve employee safety
- ❑ Manufacturers/distribution centers looking to automate product inspection processes

Discover:
- ❑ Integrate with most existing cameras
- ❑ Detect a wide range of colors
- ❑ Access a plug-and-play database of AI models

Pain Points:
- ❑ High rate of accidents
- ❑ Long set-up/implementation times

Broox Platform

Solution Overview

The Broox Platform supports the integration of experiential technology into retail spaces to enable businesses to create interactive customer experiences. As a cost-effective, Platform as a Service (PaaS) model, Broox can scale interactive plug & play technology that transforms any brand space.

Value Props

Transform brand experiences with a phygital platform connecting in-store technologies with online marketing stacks to create personalized interactions

Leverage data analytics with offline availability by integrating out-of-the-box, plug & play interactive technology into a cloud-based online analytics platform

Reduce costs and time to deployment with a single, unified phygital platform priced on a PaaS model with options for additional service integrations

Intel Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel® NUC
- Intel® RealSense™ Technologies
- Intel® VPU
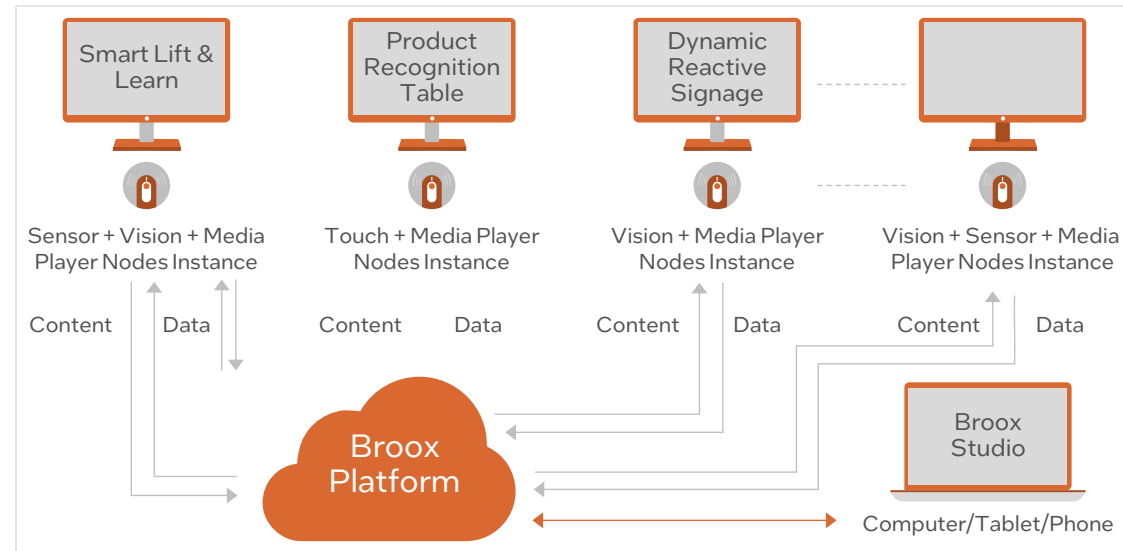
Target Vertical: Retail

Secondary Verticals: Gaming & Entertainment; Government; Hospitality

Target Use Case: Interactive Media

Geo Availability
Brazil, Canada, United States, Other Americas, Australia/New Zealand, Japan, South Korea, Taiwan, Israel, Middle East, North Africa and Turkey, Sub-Saharan Africa, EMEA

Learn More
Broox Website

Diagram

Smart Lift & Learn	Product Recognition Table	Dynamic Reactive Signage	

Sensor + Vision + Media Player Nodes Instance

Touch + Media Player Nodes Instance

Vision + Media Player Nodes Instance

Vision + Sensor + Media Player Nodes Instance

Content — Data | Content — Data | Content — Data | Content — Data

Broox Platform

Broox Studio

Computer/Tablet/Phone

Bütema AG Digital Signage

Solution Overview

Bütema AG is one of the leading full-service providers for digital signage and mobile ERP hardware and software. The linking of all digital points of contact leads to outstanding results in retail and wholesale. That is why we develop our software for desktop and mobile applications ourselves and provide all-round hardware and software service with in-house teams. As a hardware and software managed service partner, Bütema AG stands for the comprehensive, intelligent digitization of retail and wholesale.

Value Props

Optimize employee operations through an InStore Assistant (ISA) that helps employees with day-to-day work like running stock management processes

Generate increase revenue by gathering and analyzing consumer data to increase sell-through rates and selling screen slots to 3rd parties to run their ad campaigns

Improve customer engagement and appeal to consumers with digital signage promotions and digital counter cards

Intel Components

- Intel® Core™ i3 Processors
- Intel® Core™ i5 Processors
- Intel® Server GPU
- Intel® Ethernet Network Adapter
- Intel® Optane™ Memory

Customer Intranet / Public Network diagram

Customer Intranet

Public Network

| E-Com | ERP system | Customer CRM | Payment | Third-party systems |

https:// Web Service Snap/Rest

Data Center

VPN

Azure cloud with private subscription

RETAIL CORE Platform

CMS Backstore

Licencing

Mobile ERP

Azure SQL

Authentication Management

Payment

Azure Services

Output Processing

OPTIONAL https:

https

inStore Assistant (ISA)

Digital Signage

Self-Service Terminal

inStore Assistant (ISA)

Digital Signage

Self-Service Terminal

Target Vertical:
Retail

Target Use Case:
Interactive Media

Geo Availability
Europe, Middles East, and Africa

Learn More
- Social Retail Digital Signage – InStore Assistant
- Customer Success Story - BabyOne

Secure Edge Computing Platform

Solution Overview

As organizations digitize operations and processes, the use of confidential data, AI, and algorithms increases dramatically. An increase in data transfers raises an organization's exposure to cyber security threats. The Secure Edge Computing Platform is a security solution that helps to protect user data and software, including AI algorithms and AI models, from unauthorized access and manipulation. The Secure Edge Computing Platform can be used in a variety of edge computing scenarios, including smart factories, smart cities, and connected healthcare. In these applications, the solution can help to protect sensitive user data, such as customer information and financial data, in compliance with data privacy protection laws. It can also help to protect the confidentiality and integrity of computer programs, which are crucial in assuring the accuracy of the computing results and the security of proprietary software.

Value Props

Help ensure system security with embedded security hardware, data privacy, localized containers, and zero-trust procedures

Secure information exchanges with highly controlled communications and direct download of cloud-based applications

Protect the integrity of AI models by using custom integrated security systems to keep algorithms private and uncompromised

Intel Components

- Intel Atom® processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® uCPE
- Intel® Xeon® processors

Backend Services | Device On-Boarding | FOTA & SOTA Update | Container Registry | Container Orchestration | Certificate Management | Monitoring & Audit | Object Store

Trusted Execution Environment (TEE)

Application T-REE * | Worker T-REE * | Resource T-REE *

App Ordinary | App Container | App Container

Guest OS | Container RT | Container RT

Trusted Kernel

VM Emulator | Kubelet | VM Manager

Trusted Apps — FiduciaEdge Trusted Computing Base (fECB) | POSIX API

Trusted OS — Kernel-based VM | Linux (With Low Latency & MAC Support)

Hardware Platform (With Root-of-Trust / Virtualization Support)

CPU Xeon/Atom | RAM | Storage | NIC | VPU (Movidius) | GPU | FPGA (Stratix)

Advantages
- Kernel Level Information Isolation
- Capability-Based Access Control
- Zero-Trust Secure Communication
- High Availability (HA) Computing
- Fully CNCF (Cloud Native Computing Foundation) Compliance

* T-REE: Trusted Rich Execution Environment

Target Vertical:
Manufacturing

Secondary Verticals:
Government, Hospitality and Restaurants

Target Use Case:
Machine Condition Monitoring

Secondary Use Cases:
Asset & Operations Optimization, Environmental Monitoring

Geo Availability:
Americas, APJ, EMEA

Sales Contact:
Hans Chen – hans@cas-well.com

Solution Webpage:
CASwell & FiduciaEdge

Learn More:
CASwell Inc. Homepage

CathexisVision – Video Security Management Solution

Solution Overview

The CathexisVision solution addresses safety, security and operational effectiveness via a powerful set of customizable features. These features include video analytics, a variety of third-party system integrations, powerful video search tools and sophisticated event management on an intuitive graphical interface. This solution ultimately helps companies in a variety of markets minimize security risks, enhance decision-making, and improve operational efficiency. CathexisVision utilizes a variety of security techniques, including AES128 encryption for communicating between components, SHA512 hashes for login credential protection, and RSA1024 keys for securing video exports. Optional encryption is performed using AES128 block encryption with a randomized IV block and user generated passphrase.

Value Props

Simplify control room management with flexible integrations of IP cameras and third-party systems, all managed from a centralized location

Strengthen on-site security with automated notification protocols to help operators make informed decisions and implement pre-configured actions

Improve operational efficiency by analyzing large amounts of data to help pinpoint incidents in real-time

Site architecture

Fixed Camera
Camera Dome
Camera PTZ
Camera Storage
Video Wall

Recording Server
Recording Server
Network Storage
Client Viewing
3rd Party Integrated System

- Edge video and metadata
- Data managed here

Multiple sites

Internet

Cloud architecture

Alarm Management Client
Video Wall
Mobile Client
Client Manager
Network Storage

Uses Intel products. See Intel product list for allocation
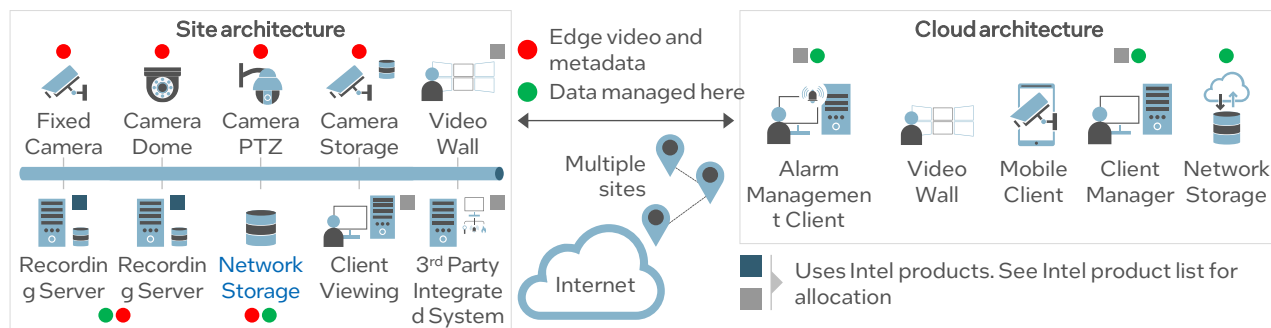
Intel Components

- Intel® Core™ i3 Processors
- Intel® Core™ i7 Processors
- Intel® NUC
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Xeon® Processors

Target Vertical:
Education

Secondary Verticals:
Safety and Security, Retail, Banking/Financial Services, Energy, Gaming & Entertainment, Government, Healthcare & Life Sciences, Hospitality, Manufacturing, Transportation and Logistics

Target Use Case:
Situational Monitoring

Geo Availability
North America, Asia Pacific, Central Southern and Eastern Europe, Middle East & North Africa, Southern Africa, United Kingdom

Learn More
- CathexisVision VMS Software Homepage

Centerm

Centerm Smart Banking Solutions

Solution Overview

Centerm Smart Banking Solutions are based on thin client and intelligent terminals, transforming banking experiences by making banking transaction quicker and easier

Value Props

Improve customer experiences through a implified banking process that enhances on-site and mobile interactions

Reduce operational costs with an efficient and easy-to-manage IoT platform

Protect data privacy with security solutions that store, exchange, and deliver sensitive customer information

Intel Components

- Intel® Xeon® Processor, Intel® Core™ i3, i5, i7 processors, Intel® Pentium® processor, Intel® Celeron® processor, Intel Atom® processor, Intel® Ethernet Controller
- Win 10 IoT*, Centerm OS
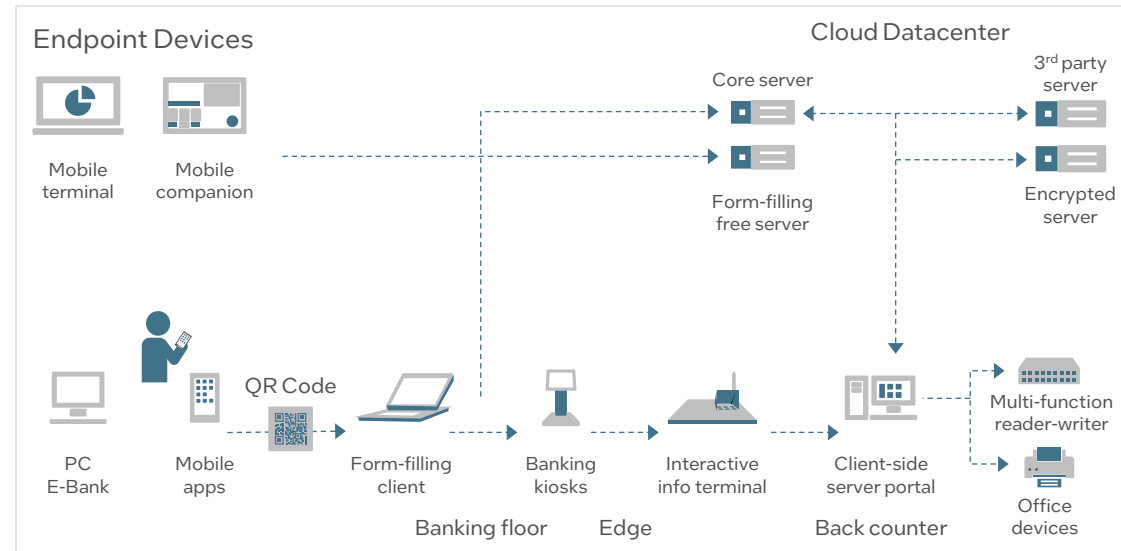
Target Vertical: Banking/Financial Services

Secondary Verticals: Retail, Education, Government

Target Use Case: Interactive Media

Secondary Use Case: Asset & Operations Optimization

Geo Availability
PRC, APJ (Asia Pacific except Japan), Europe

Learn More
- Centerm Website

Diagram

Endpoint Devices

- Mobile terminal
- Mobile companion
- PC E-Bank
- Mobile apps
- QR Code
- Form-filling client
- Banking kiosks
- Interactive info terminal
- Client-side server portal
- Multi-function reader-writer
- Office devices

Banking floor   Edge   Back counter

Cloud Datacenter

- Core server
- 3rd party server
- Form-filling free server
- Encrypted server

Centerm Weixun Intelligent Cloud Solution for School District

Solution Overview

The Centerm Weixun Intelligent Cloud Solution for School District informatizes school districts in the PRC to enable education bureaus to make data-driven decisions that improve overall teaching and consolidates resources to make equitable the education standards across schools. The unified cloud platform integrates desktop virtualization to increase ease of access to resources, analyzes the resource requirements of each school to provide on-demand allocation and management, and distributes educational resources for collaboration and standardization in school settings. Thus, allowing school districts to focus their own time and resources on education and less on keeping up with IT development and maintenance.

Value Props

Foster collaboration with a shared cloud resource system that allows for greater communication and education standardization

Reduce costs of capital investment and maintenance by leveraging a single teaching management platform for all schools

Improve teaching efficacy with access to student and teacher performance data so that weak points are identified and actively coached

Intel Components

- Intel® Xeon® Processors
- Intel® Core™ i3 Processors
- Intel® Celeron® Processors

Target Vertical:
Education

Target Use Case:
Asset and Operations Optimization

Geo Availability
People's Republic of China

Learn More
- Centerm Website
- News Article
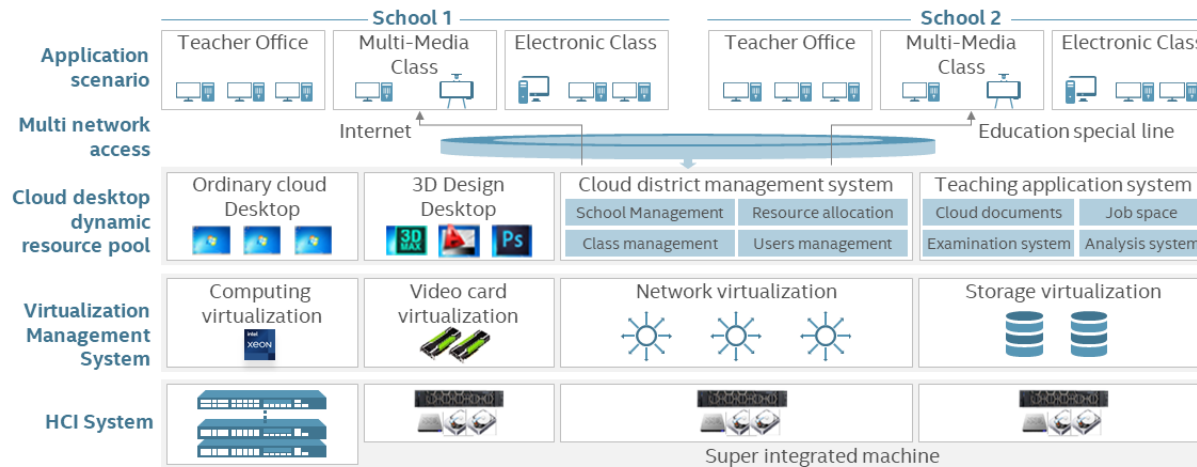
Miniature 6 DoF Robot Arm

Solution Overview

Chieftek's cpcRobot is a compact and robust robot arm powered by Intel's Edge Controls for Industrial (ECI) platform. This robot arm not only fits into tight spaces but also delivers unmatched accuracy, making it a perfect fit for intricate tasks that larger robots cannot handle. Utilizing the ultra-compact Intel® Atom® processor along with an advanced controller software package featuring customized PLC, EtherCAT, and motion library for enhanced adaptability, the cpcRobot is tailored for industries and workloads demanding precise automation solutions with minimal human intervention.

Value Props

- Compact and precise.
- Flexible software package.
- Robust design.
- Real-time support.

Intel Components

- Intel® Core™
- Intel® Atom®
- Intel® Ethernet Adapters
- Intel® Time Coordinated Computing Tools (Intel® TCC Tools) & Time-Sensitive Networking (TSN)

Miniature 6 DoF Robot Arm Market Ready Solution

Primary Industry:
Manufacturing

Primary Use Case:
Asset & Operations Optimization

Additional Use Cases:
Product Inspection

Geo Availability:
Asia, Pacific and Japan, Americas, Europe, Middle East and Africa

Solution Sales Contact:
service@mail.chieftek.com

Intel Sales Contact:
Brenda Yeap
brenda.yeap@intel.com

Solution Webpage:
http://chieftek.com/index.asp

Sales Guidance: Indicators that the Miniature 6 DoF Robot Arm solution may be a good fit.

Assess:
❑ Manufacturers looking to automate repetitive tasks
❑ Manufacturers requiring intricate tasks completed accurately
❑ Manufacturers looking to enhance current automated systems

Discover:
❑ Scale up or down depending on specific needs
❑ Integrate into existing systems
❑ Reduce human error
❑ Increase efficiency

Pain Points:
❑ Limited space
❑ High hardware and operational expenses
❑ Workforce shortages

Cisco IP Fabric for Media

Solution Overview

The Cisco IP Fabric for Media solution allows customers to run video and audio signals on an IP-based infrastructure carrying multiple bidirectional traffic flows without requiring time-consuming and costly changes to the physical infrastructure. Switching from SDI to Cisco's IP solution results in increased bandwidth for the transmission of ultra high-definition content and provide better connectivity and media infrastructure security.

Value Props

Reduce overhead costs associated with broadcast system management by simplifying data center networking and cabling requirements

Future proof your infrastructure with scalable, high density network support with zero packet loss, ultra-low latency, and minimal jitter

Increase operational flexibility with unified IP fabric for live broadcast and file-based media workflows

Intel Components

- Intel® Xeon® D processors

Cisco IP Fabric For Media

Broadcast controller	Imagine LAWO GV grass valley nevion EVS	**Deployment locations**
Network controller		Studio · Stadium
Non-blocking IP network		
Broadcast endpoints		OB van/truck

Benefits	Deterministic and non-blocking IP fabric	Highly scalable multicast and PTP timing	Highly secure admission control and policing	Turnkey automation and deep visibility with NDFC
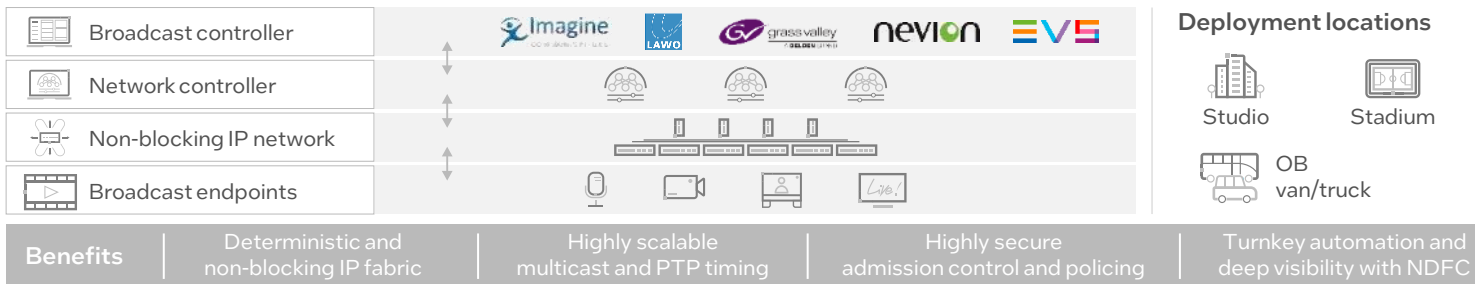
Target Vertical:
Other

Additional Verticals:
Gaming & Entertainment, Service Provider Networking , Media & Entertainment

Target Use Case:
Interactive Media

Additional Use Cases:
Situational Monitoring, Live Production, IP Based Media

Geo Availability
APJ, Americas, EMEA, and People's Republic of China

Learn More
- IP Fabric for Media White Paper
- Cisco IP Fabric for Media Solution Webpage

Maritime Ports and Terminal Operations

Solution Overview

Maritime ports and terminals face challenges when deploying network foundations within their operations, requiring infrastructure that can adapt to challenging environments while supporting both legacy and state-of-the-art systems. The Cisco Connected Ports and Terminals solution incorporates Cisco networking innovations with Cisco IoT networking and security, allowing customers to securely scale port and terminal digital infrastructure to support more efficient, resilient, and sustainable network operations. Based on the industrial standard ISA-95 reference architecture, the solution connects devices such as sensors, equipment, and vehicles to enable end-to-end automation.

Value Props

Improve operational efficiency with end-to-end automation for faster and more reliable port and terminal operations, reducing downtimes and optimizing resource allocation

Increase data security with a holistic layered approach that focuses on resiliency, reliability and high performance to protect against ransomware and cyber attacks

Reduce operational costs by minimizing maintenance fees associated with downtime and optimizing energy consumption

Data center
Catalyst Center
ISE

Cloud
- Webex Calling
- Cisco IoT Operations Dashboard
- Business application
- Cisco Secure Edge
- ThousandEyes
- Digital twin
- Meraki/Secure Connect
- AppDynamics
- Terminal Operating System (TOS)

Port campus fabric

Terminal operations
Cameras
IoT Sensors | Asset tracking | Interior roadways | Terminal equipment | Terminal vehicles | Field devices

Port operations
Cameras
IoT Sensors | Asset tracking | Ship to shore | Gate control | Field devices

Intel Components

- Intel® Xeon® Processors
- Intel® Edge Software Hub
- Intel® Edge Insights for Industrial

Target Vertical:

Transportation & Warehousing

Secondary Vertical:

Government

Target Use Case:

Asset & Operations Optimization

Secondary Use Case:

Logistics & Tracking

Geo Availability

Global

Sales Contact

Request a call from Sales

Solution Webpage

Cisco | Transportation Portfolio

Solution Overview

Securely scale mining operations' digital infrastructure to support more efficient, resilient, and sustainable network operations. The Cisco Mining solution allows you to monitor and enhance operations to improve throughput while setting the foundation for automation.

Value Props

Deploy and deliver apps anywhere – whether on premise or in a central data center, hybrid cloud, or cloud -- quickly and securely.

Protect across multiple attack surfaces so you can detect threats quickly and remediate confidently.

Unify communication for operational locations and staff to connect seamlessly and securely – anytime, anywhere.

Align your IT and OT operations, enabling accelerated decision-making, improved production, reduced costs, and increased worker safety.

Intel Components

- Intel® Core™
- Intel® Atom®
- Intel® Xeon®

Cisco Mining Market Ready Solution
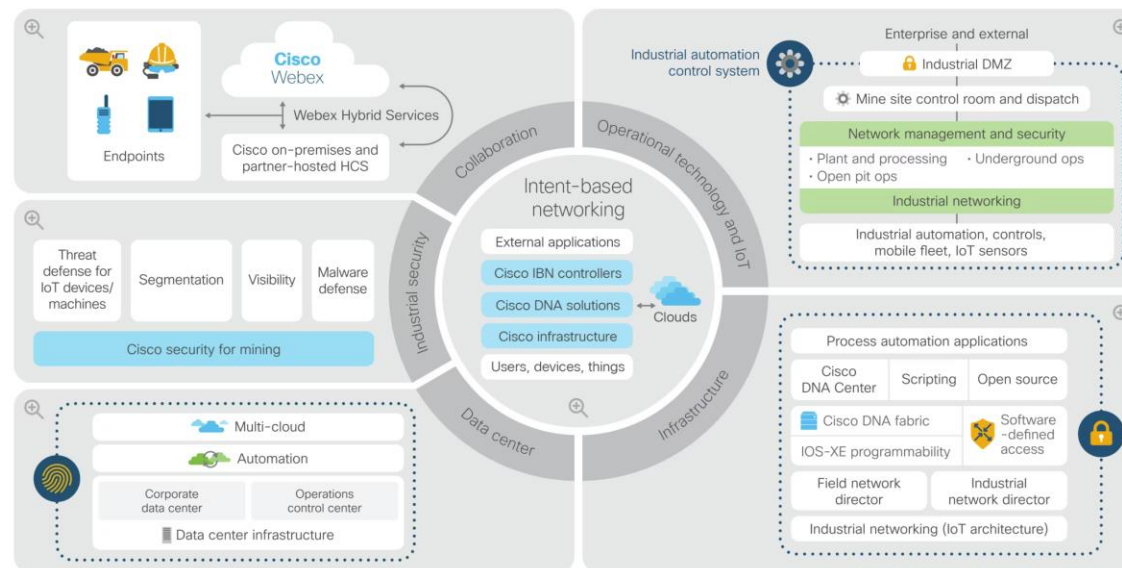
Industry:
Energy

Primary Use Case:
Environment Monitoring

Additional Use Case:
Asset & Operations Optimization, Control Optimization & Autonomy, Energy Monitoring & Management, Logistics & Tracking, Product Inspection, Situational Monitoring

Geo Availability:
Global

Solution Sales Contact:
Roland Plett
rnplett@cisco.com

Intel Sales Contact:
Rajiv Gupta
rajiv.s.gupta@intel.com

Solution Webpage:
www.cisco.com/c/m/en_us/solutions/industries/portfolio-explorer/portfolio-explorer-for-mining.html

Sales Guidance: Indicators that the Cisco Mining solution may be a good fit.

Assess:
❑ Mining operations looking to remove personnel from hazardous and isolated locations
❑ Mining operations looking to enhance the health, safety, and environment of their sites
❑ Mining operations wanting to move to remote operating centers

Discover:
❑ Adapt to local conditions
❑ Manage several mines from one central location
❑ Proactively monitor risk factors to pre-empt dangerous situations, increasing worker safety

Pain Points:
❑ High number of safety incidents
❑ Difficulties recruiting/keeping staff
❑ Disconnect between operational locations and onsite staff

Cisco Smart Aviation and Airports

Solution Overview

The Cisco Aviation and Airports solutions portfolio provides end-to-end supply chain connectivity by supporting intelligent cyber and physical security, automating the passenger experience, gaining real-time information, and streamlining ground operations, in order to increase efficiency and reduce costs

Value Props

Improve ground operations by using an innovative collaboration suite that improves efficiency, mitigates errors, and help create better travel experiences

Maintain constant situational awareness through an airport monitoring solution that helps manage cybersecurity along with traveler and employee safety

Increases aircraft turnaround efficiency by synchronizing databases and live data from the edge through a rapid protocol management system

Kit Components

- Intel® Xeon® Processors
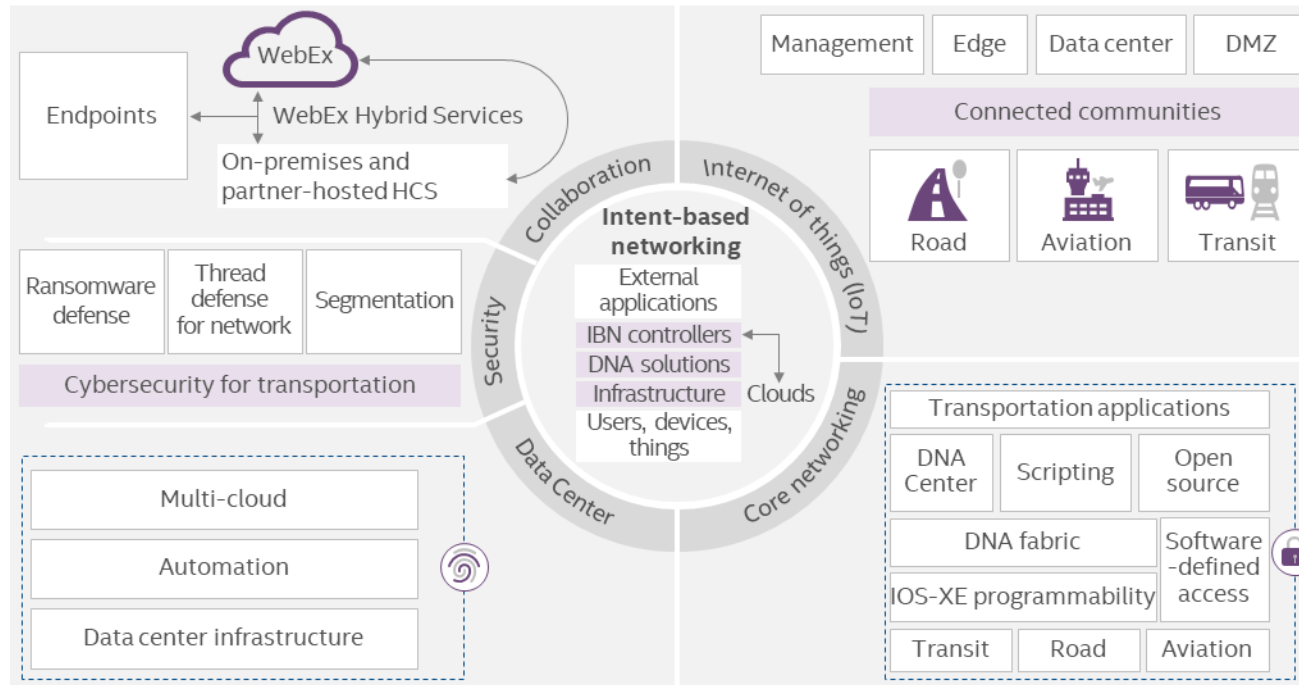
Target Vertical:
Transportation

Target Use Case:
Situational Monitoring

Secondary Use Cases:
Asset & Operations Optimization, Control Optimization & Autonomy, Human Wellness Monitoring, Product Inspection

Geo Availability
Global, APJ-T, Americas, EMEA, CIS, PRC

Learn More
- Cisco Internet of Things (IoT) Products & Solutions
- Portfolio Explorer for Transportation
- Partner Locator

Cisco Smart Buildings

Solution Overview

The Cisco Smart Buildings solutions portfolio is a suite of services designed to measure occupancy, temperature, humidity, CO2, equipment health, security, utility and machinery management, and provide predictive operations to augment all aspects of facility control.

Value Props

Reduce industrial energy costs by mitigating energy loss, unwanted thermal leakage, and greenhouse gas emissions.

Enhance physical and digital security protocols through a facility monitoring solution that also provides security teams with a suite of robust tools.

Optimize facility operations with an innovative collaboration suite that connects communications and edge devices to monitor live-time operational workflows.

Kit Components

- Intel® Xeon® Processors

Diagram labels: WebEx; WebEx Hybrid Services; Endpoints; On-premises and partner-hosted HCS; Ransomware defense; Thread defense for network; Segmentation; Security (Cyber Vision); Multi-cloud; Automation; Data center infrastructure; Collaboration; Security; Data Center; Core networking; Internet of things (IoT); Intent-based networking; External applications; IBN controllers; DNA solutions; Infrastructure; Clouds; Users, devices, things; Management; Edge; Data center; DMZ; Floors, suites, and spaces; Connected; Sensors; Meters; Video cameras; DNA Center; Scripting; Open source; DNA fabric; Software-defined access; DNA Spaces; Floors, suites, and spaces

Target Vertical:
Energy

Secondary Verticals:
Retail, Banking/FSI, Enterprise

Target Use Case:
Asset & Operations Optimization; Environment Monitoring; Situational Monitoring

Secondary Use Case:
Logistics & Tracking, Control Optimization & Autonomy, Human Wellness Monitoring, Product Inspection

Geo Availability
Geos: Global, APJ-T, Americas, EMEA, CIS, PRC

Learn More
- Cisco IoT Products & Solutions
- Cisco Portfolio Explorer for Smart Buildings
- Cisco Authorized SI Partner Locator

Clevertouch
Interactive Communication and Collaboration Solution

Solution Overview

The Clevertouch Interactive Communication and Collaboration Solution offers a comprehensive and simple solution to enable blended learning environments and facilitate remote group collaboration. Clevertouch's Interactive Communication and Collaboration Solution makes it easier to distribute information and collaborate across physical-digital environments by smoothly integrating with existing technologies like mobile devices, tablets, laptops, and cloud business accounts. End customers can use Clevertouch Interactive displays, remote device management, built-in applications, assorted cloud capabilities, to connect stakeholders, improve operational productivity, and enhance learning environments.

Value Props

Enable easy collaboration with a dynamic solution that deepens end user engagement by connecting relevant devices and environments

Elevate operational performance by streamlining the delivery of critical information to teams

Scale and evolve with a solution designed to meet changing business needs by providing simple deployment and integration options

Intel Components

- Intel® Core™ i7 processors
- Intel® Core™ i5 processors
- Intel® NUC

Architecture Diagram of Cloud-based, and Module Technologies

1. Clevertouch Interactive Displays (and add ons)
2. Hardware Technologies
3. Cloud-based Technologies
4. Software Technologies
5. Full Device Control
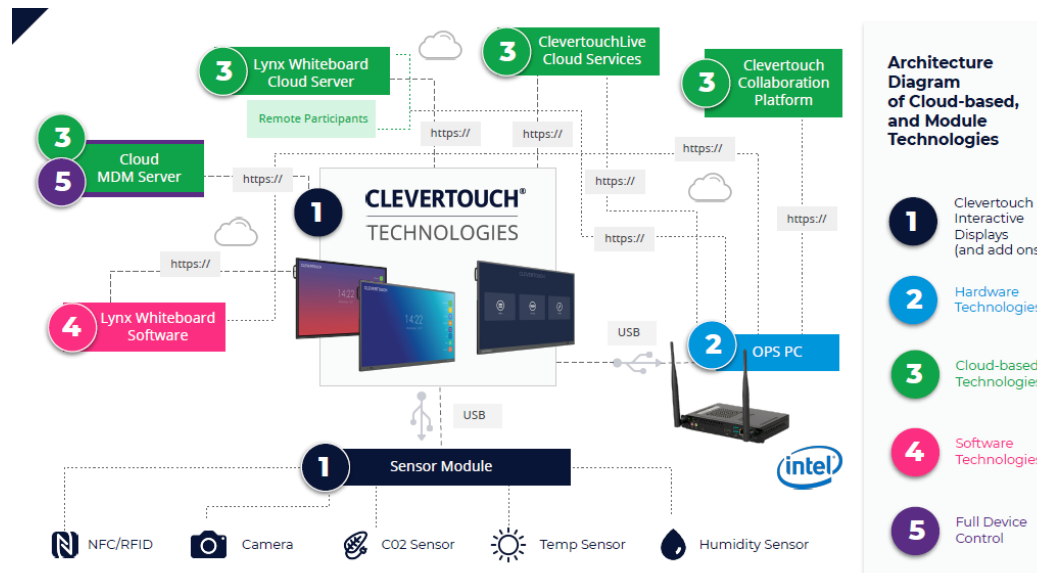
Target Vertical:
Manufacturing

Secondary Vertical:
Enterprise; Education; Banking/Financial Services; Energy; Government; Hospitality; Retail; Transportation

Target Use Case:
Interactive Media

Geo Availability
Available Territories and Regions: Brazil; Canada; Mexico; United States; Other Americas; Australia/ New Zealand; India; Germany; Israel; Middle East, North Africa and Turkey; Russia; Sub-Saharan Africa; Europe; Balkans; Nordic Region

Learn More
- Clevertouch Website

Cloudpick Autonomous Store

Solution Overview

Cloudpick Autonomous Store, powered by Intel® technology, is an end-to-end smart retail solution that digitizes brick-and-mortar stores to bring customers a cashier-free, queue-free, grab-and-go shopping experience

Value Props

Increase operational efficiencies by reducing human error

Save labor costs by introducing automation to the checkout process

Improve customer experience by cutting wait time and minimizing staff dependency

Intel Components

- Intel® Core™ i3, i7, and i9 Processors
- Intel® Media SDK
- Intel® Solid State Drives (SSD)
- Intel® Distribution of OpenVINO™ toolkit
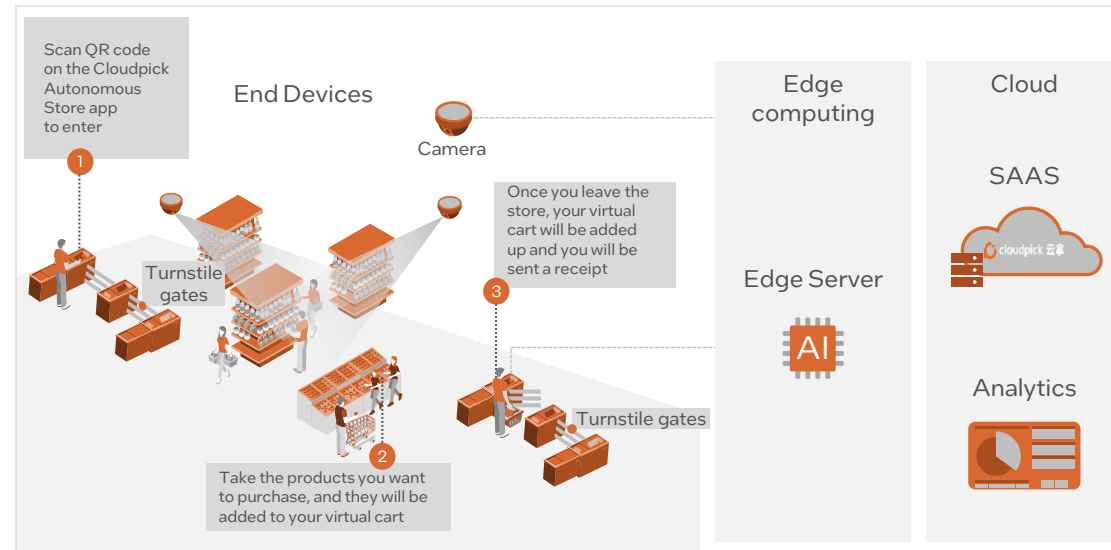
Scan QR code on the Cloudpick Autonomous Store app to enter
1

End Devices

Camera

Once you leave the store, your virtual cart will be added up and you will be sent a receipt

Turnstile gates

Take the products you want to purchase, and they will be added to your virtual cart
2

3

Turnstile gates

Edge computing

Edge Server

AI

Cloud

SAAS

Analytics

Target Vertical: Retail

Target Use Case: Asset & Operations Optimization

Secondary Use Cases: Interactive Media, Situational Monitoring

Geo Availability
Globally

Learn More
- Cloudpick website (Chinese)
- Cloudpick's Youtube channel

ComQi Engage Platform

Solution Overview

The ComQi EnGage Platform is a cloud-based digital signage content management solution (CMS) that helps customers connect, engage, and influence their shoppers

Value Props

Maximize the impact of your content with customized messages curated for your audience to deliver the right message to the right screen at the right time

Gain insights from enterprise data on when, why, and how messages were delivered with EnGage reporting

Minimize strain on time and human resources with an intelligent content management machine that empowers customers to create, manage, and analyze content

Intel Components

Intel® Core™ i7 vPro

EnGage CONTENT & DEVICE MANAGEMENT

Displays (LCD, LED, Touch)
Kiosks
Smartphones
Music
RFID
POS
NFC
Lightings
iBeacons
Barcodes
ComQi Media Player
Visual Analytics
Tablets
Embedded Media Player
Displays (LCD, LED, Touch)

Cloud
ComQi EnGage
Collect Manage Control Coordinate Report

Analytics
AI Integration
Advanced Reporting
Proactive Monitoring

Applications
Role-based
Media & Data Management
Ad Management systems

Data Integration
Third Party
Data Feeds

Customers and Technology Partners

Target Vertical: Retail

Target Use Case: Interactive Media

Geo Availability Globally

Learn More
- ComQi EnGage CMS
- Intel Solution Marketplace Page

Crestron Collaboration Solution Refresh

Solution Overview

The Crestron Collaboration Solution* is an end-to-end, device-to-cloud solution that enables futureproof, flexible and efficient collaboration experiences in any space with flawless AV, distribution of 4k content, and key insights into workplace technology.

Value Props

Support different setups with Crestron Flex built on Intel® Core™ i5 processor comprised of certified Microsoft devices to support any room size or type, to create a unified communication platform

Share content instantly with DM NVX built on Intel® FPGA Arria® Technology, that provides pixel perfect, 4K Video distribution, flawless audio, and control over a cost effective 1 Gigabit network

Increase meeting productivity with XiO Cloud built on Azure IoT Hub, that has the ability to capture usage and trend data providing key insights into how workplace technology is impactful

Intel Components

- Intel® FPGA products
- Intel® Core™ i5 processors
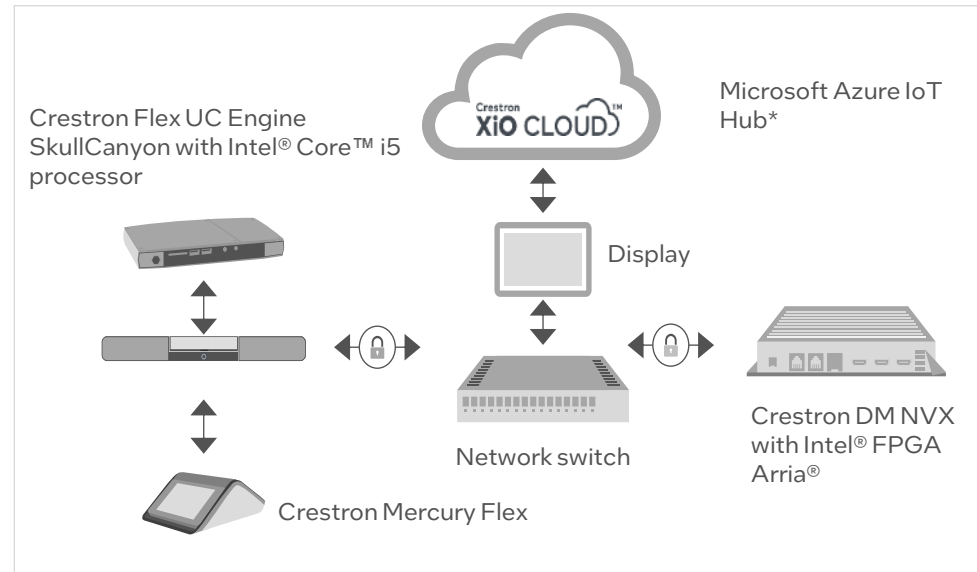
Target Vertical: Other
Secondary Verticals: Retail, Education, Government, Health & Life Sciences, Energy, Hospitality and Restaurants, Transportation and Warehousing

Target Use Case: Interactive Media

Geo Availability
APJ, Americas, EMEA, People's Republic of China

Learn More
- Crestron Electronics Homepage
- Commercial and local Dealers Here
- Representatives Here
- Showroom and Experience Centers Here

Crestron Flex UC Engine SkullCanyon with Intel® Core™ i5 processor

Crestron XiO CLOUD™

Microsoft Azure IoT Hub*

Display

Network switch

Crestron DM NVX with Intel® FPGA Arria®

Crestron Mercury Flex

Solution Overview

Cumucore Mobile Private Network offers a flexible, fully virtualized 4G and 5G Packet Core solution that scales efficiently for both small and large networks. Its containerized architecture supports up to 10,000 users and 100 base stations, with the ability to expand across multiple sites. Cumucore provides cloud-based 4G and 5G packet core software for mobility, user management, and traffic optimization, with integration options for or without Software Defined Networks (SDN). Additionally, it includes a hardware component for upgrading legacy mobile backhaul to SDN and software components for enhancing content delivery and reducing network traffic by up to 50%

Value Props

Rapid Installation.

Low footprint requirements.

Ultra reliable, even in rough environments with limited network resources.

Network slicing available.

Intel Components

- Intel® Core™
- Intel® Ethernet Adapters

Cumucore Mobile Private Network Market Ready Solution

Primary Industry:
Manufacturing

Additional Industries:
Transportation, Agriculture

Primary Use Case:
Situational Monitoring

Additional Use Cases:
Logistics & Tracking, Asset & Operations Optimization, Environment Monitoring, Control Optimization & Autonomy

Geo Availability:
Asia, Pacific and Japan, Americas, Europe, Middle East and Africa

Solution Sales Contact:
https://cumucore.com/contact/

Intel Sales Contact:
Contact TDB

Solution Webpage:
https://cumucore.com/mobile-private-network/

Sales Guidance: Indicators that the Cumucore Mobile Private Network solution may be a good fit.

Assess:
❑ Retailers wanting to improve reliability and speed of mobile PoS systems
❑ Manufacturers with large factories wanting to improve network reliability and security
❑ Organizations with multiple locations needing to integrate and share information efficiently and consistently

Discover:
❑ Deploy quickly
❑ Scale up or down depending on situational needs
❑ Easily integrate with current infrastructure

Pain Points:
❑ Unreliable service network
❑ High resource costs
❑ Delay in relay of information
❑ Lengthy deployment times

CVTE MAXHUB

Solution Overview

The CVTE MAXHUB is a video conference solution designed to improve remote communication and collaboration productivity. It facilitates multiparty meetings for up to 100 participants and includes wireless screen sharing, file sharing, reverse control of laptops, and an all-in-one interactive panel acting as a remote terminal to offer MAXHUB capabilities, including access control, cloud storage, intelligent illustration, and speech-to-text.

Value Props

Optimize collaboration with an interactive panel offering real-time annotations, visual and audio hardware, and remote capabilities designed to drive productivity

Use with ease by integrating with third-party software and quickly displaying content via wireless screen and file sharing

Reduce costs with front screen installation and easily accessible disassembly to simplify hardware repair and updates
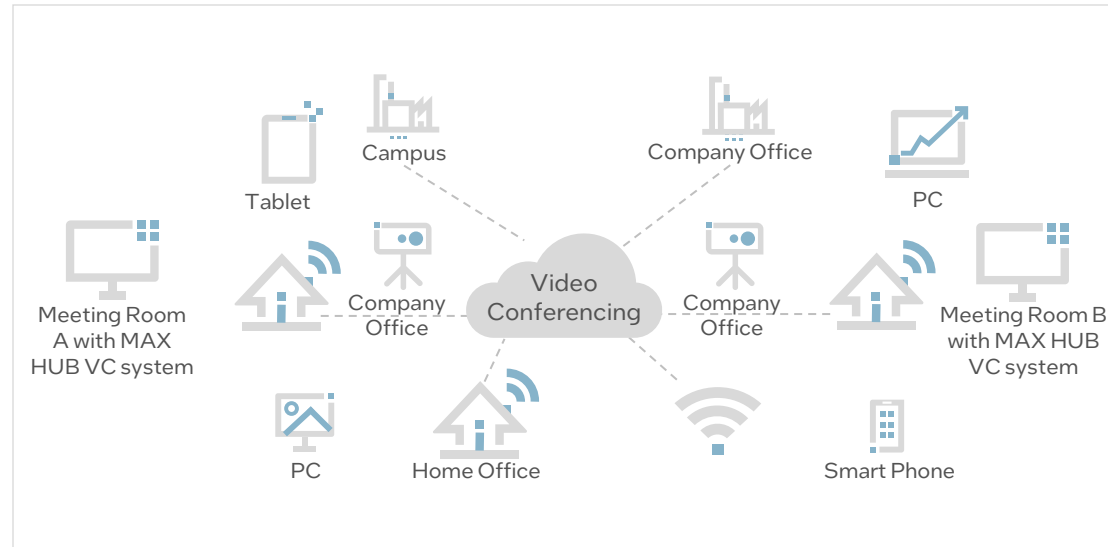
Intel Components

- Intel® Core™ i5 processors
- Intel® Core™ i7 processors

Target Vertical: Education
Secondary Verticals:
Banking/Financial Services, Government, Hospitality

Target Use Case:
Interactive Media
Secondary Use Cases:
Situational Monitoring

Geo Availability
Globally

Learn More
MAXHUB Website

Diagram

Tablet — Campus
Meeting Room A with MAX HUB VC system
Company Office
Video Conferencing
Company Office
PC — Company Office
Meeting Room B with MAX HUB VC system
PC — Home Office — Smart Phone

Deep Insights

Solution Overview

Deep Insights is an end-to-end AIoT solution. Increase the intelligence and safety of your community through AI, IoT, and connectivity. With this solution, community operators can gain real-time insights to help create smart and safe environments.

Value Props

Provides an end-to-end solution with everything you need, from cameras, IoT sensors, and edge/cloud/MEC compute to daily dashboards and reports

Enables AI + IoT connectivity by combining 4G/5G connectivity with IoT sensors and cutting-edge AI to predict, notify, and constantly learn

Simplifies budgeting with predictable costs and recurring monthly plans

Kit Components

- Intel® Core™ i5 Processors
- Intel® Core™ i7 Processors
- Intel® Core™ i9 Processors
- Intel® Xeon® Processors
- Intel® Distribution of OpenVINO™ Toolkit

Edge Use Cases

Deep Insights AI and Edge Video Recording Software

Optimized computer vision

Up to 4 streams

Enriched metadata transmitted to Deep Insights (encrypted MQTT) *no raw video

Near Edge Use Case

Up to 4 streams

Deep Insights AI and Edge Video Recording Software

Optimized computer vision

WAN, MAN, LAN, SD-WAN, SD-LAN, Wi Fi, 5G, LTE

MEC (Multi Access Edge Computing)

Deep Insights AI and Edge Video Recording Software

Optimized computer vision

Deep Insights (Near edge / MEC / Cloud dashboard)

Enriched metadata transmitted to Deep Insights (encrypted MQTT) *no raw video

Deep Insights Native VNS

Business Intelligence (other 3rd Party software integrations)

Target Vertical:
Government

Secondary Vertical:
Agriculture, Banking/Financial Services, Education, Energy, Gaming & Entertainment, Health & Life Sciences, Hospitality, Manufacturing, Retail, and Transportation

Target Use Case:
Situational Monitoring

Secondary Use Cases:
Asset & Operations Optimization, Product Inspection

Geo Availability
Globally

Learn More
EPIC IO Homepage

Solution Overview

In light of the emergence of diverse cutting-edge technologies, industrial enterprises and manufacturers have implemented the Industrial Internet of Things (IIoT) system to facilitate industrial automation, thereby achieving heightened operational efficiency, process optimization, and data-driven decision-making. Nonetheless, the deployment of IIoT presents industrial players with various challenges, the two primary ones being hardware flexibility/scalability and real-time computing capabilities.

Value Props

Software-Defined Flexibility
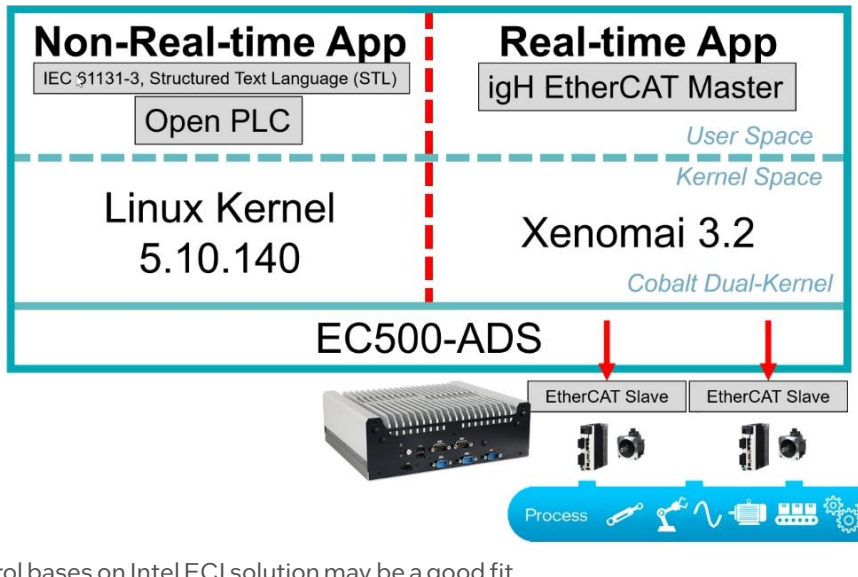Transforms traditionally hardware-based applications into software-defined solutions.

Seamless Real-Time
Consolidates time-critical and non-time-constrained applications onto a single board.

Effortless Deployment
Provides a pre-integrated stack that includes enabled and supported technologies.

Intel Components

- Intel® Core™
- Intel® Edge Controls for Industrial

Sales Guidance: Indicators that the Software Defined EtherCAT Motor Control bases on Intel ECI solution may be a good fit.

Assess:
- ❏ Companies looking to consolidate current hardware-heavy solutions
- ❏ Manufacturers wanting to improve efficiency of data processes
- ❏ Manufacturers wanting to automate production processes

Discover:
- ❏ "Plug and produce" out of the box
- ❏ Easily upgrade and adapt to dynamic needs
- ❏ Operate at peak performance

Pain Points:
- ❏ High maintenance costs
- ❏ Rigid hardware requirements

Software Defined EtherCAT Motor Control Bases on Intel ECI Market Ready Solution

Primary Industry:
Manufacturing

Primary Use Case:
Control Optimization & Autonomy

Geo Availability:
Asia, Pacific and Japan

Solution Sales Contact:
https://www.dfi.com/contact/sales

Intel Sales Contact:
Linda Y Chen
linda.y.chen@intel.com

Solution Webpage:
https://www.dfi.com/product/index/1498

diagnext.com Diagserver Medical Communication System

Solution Overview

diagnext.com's Diagserver Medical Communication System is a highly customizable solution compatible with most medical systems that enables the transmission of medical images and examinations to healthcare providers for faster diagnosis and treatment timelines.

Value Props

Enhance workflow performance with reliable transmission of data even when connections are unstable and interrupted

Streamline delivery of services with an agile medical communication system that automates reporting

Reduce costs of data storage with compressed DICOM available locally and in central cloud servers

Intel Components

- Intel® Core™ i5 Processors
- Intel® Celeron® Processors
- Intel® Xeon® Processors

RADIOLOGICAL EQUIPMENT

Examinations are performed on radiological equipment then digitally forwarded through DICOM Gateway.

The image is decrypted to standard DICOM.

FASTER

CHEAPER

LESS STORAGE

The patient exam is at a **HEALTH UNIT.**

The image is stored in the "cloud" and sent to receiving equipment.

Radiological report centers use our communication system to receive standard DICOM images.
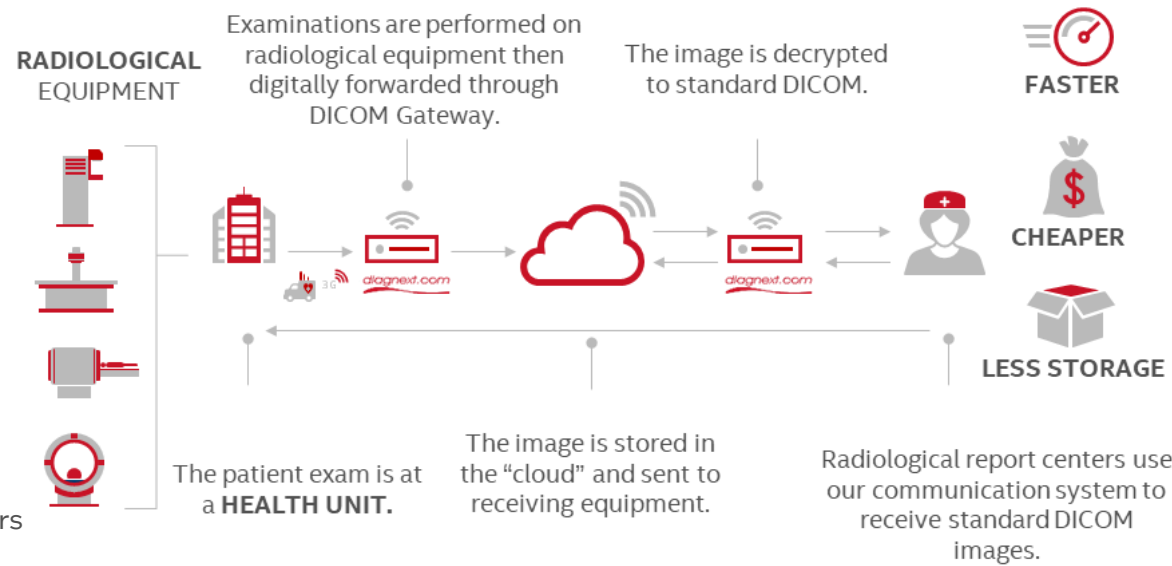
Target Vertical:
Health & Life Sciences

Target Use Case:
Human Wellness Monitoring

Secondary Use Case:
Asset & Operations Optimization

Geo Availability
Brazil

Learn More
- diagnext.com webpage
- diagnext.com solutions marketplace listing

Diebold Nixdorf DN Series™ BEETLE A1150

Solution Overview

The Diebold Nixdorf DN Series BEETLE A1150 provides a 15.6" all-in-one touchscreen point of sale terminal and kiosk system designed to be implemented at in-store checkout locations. The BEETLE A1150 features a common hardware platform consisting of interchangeable central processing units, display panels, and integrated peripherals that can be easily mixed and matched to enhance the retail customer experience. The solution utilizes powerful 8th Generation Intel® Core™ processors alongside solid-state disk storage media and interfaces to reduce overall power consumption, while encouraging speedy transactions at cashier checkpoints or kiosks. Additionally, the solution offers remote asset management and monitoring on the desktop management agent, BEETLEINFO, enabling more flexibility and control over assets.

Value Props

Meet changing business needs with a flexible modular platform that can adapt into any store environment and be easily upgraded to accommodate future retail scenarios

Lower total cost of ownership with powerful, yet energy-saving technologies that reduce overall power consumption

Increase store efficiency by reducing interventions with a fan-less design, sealed housing, and easily managed, monitored, and serviced POS system
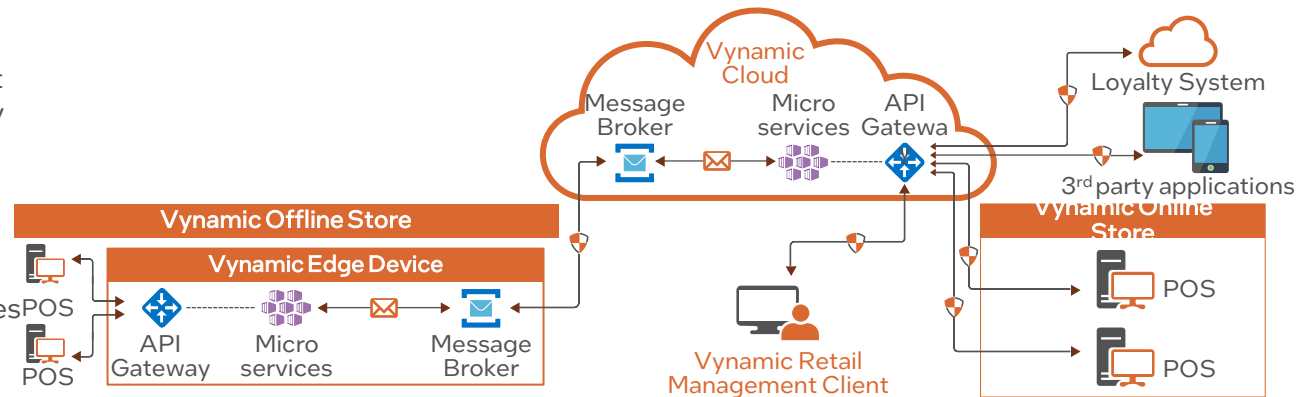
Intel Components

- Intel® Core™ i5 Processors
- Intel® Core™ i3 Processors
- Intel® Celeron® Processors

Target Vertical:
Retail

Target Use Case:
Asset and Operations Optimization

Geo Availability
APAC, Americas, and EMEA

Learn More
- BEETLE A1150 Product Card
- Diebold Nixdorf - DN Series™ BEETLE Homepage

Vynamic Cloud · Message Broker · Micro services · API Gateway · Loyalty System · 3rd party applications · Vynamic Offline Store · Vynamic Edge Device · API Gateway · Micro services · Message Broker · POS · Vynamic Retail Management Client · Vynamic Online Store · POS

Solution Overview

Digital Barriers is a cutting-edge video technology provider that offers a comprehensive suite of solutions to enhance real-time video capabilities across various sectors. Their solutions combine live video, storage, and extensive edge and cloud analytics into a secure Internet of VideoThings (IoVT) platform, which operates seamlessly across both cellular and fixed networks. By partnering with major global network operators like BT, Vodafone, and AT&T, they deliver real-time video with up to 90% bandwidth cost reduction without compromising quality. This approach enables customers to connect diverse endpoints—such as CCTV and smartphones—and gain actionable insights through intelligent analytics, ensuring a unified and flexible management of video needs in low-latency environments.

Value Props

- Reduces costs associated with data transmission and storage.
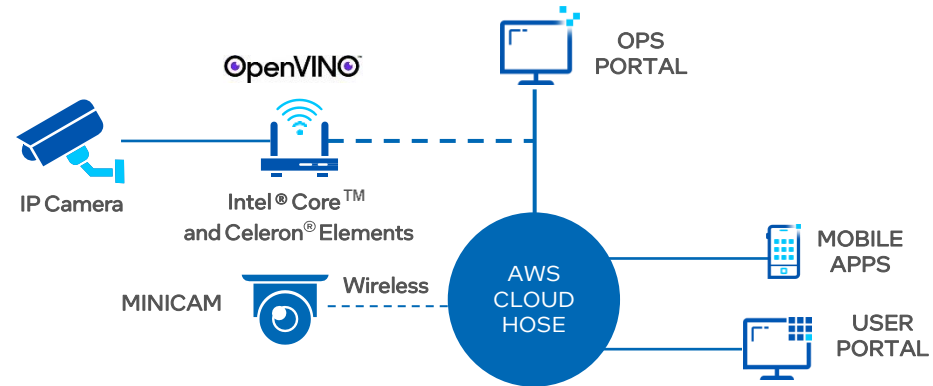- Helps to improve response times and strategic deployment of personnel.
- Enables live consultation from operations centers to field-based staff.
- Increases visibility, helping to put key decision-makers in control.
- Improves employee efficiency by prioritizing operator time and attention.
- Helps to improve transparency of operations, compliance, and safety regulations.
- Eliminates the need for costly fixed infrastructure.

Digital Barriers IoVT Platform Market Ready Solution

COLLECT DATA	EDGE INTELLIGENCE	SMARTER CLOUD
Existing CCTV Sources Minicam Any stream, any camera	Identify critical events Record in high quality Transmit efficiently Leading Sensors	Receive only important date Get video from all sources Apply further analytics Gain insights and refine workflow

Intel Components

- Intel® Core™
- Intel® Celeron®
- Intel® OpenVINO™

Sales Guidance: Indicators that the Digital Barriers IoVT Platform solution may be a good fit.

Assess:
- ❑ Organizations wanting to oversee and prevent damage to remote or unguarded assets
- ❑ Businesses interested in improving the safeguarding of employees

Discover:
- ❑ Access high-quality live video and audio streaming over wireless and fixed networks
- ❑ Receive the highest standard in complete end-to-end encryption
- ❑ Implement an intuitive plug-and-play solution

Pain Points:
- ❑ Slow response times/deployment of personnel
- ❑ High data transmission and storage costs
- ❑ Lengthy setup/redeployment times

Primary Industry:
Government

Additional Industries:
Manufacturing, Retail, Transportation

Primary Use Case:
Situational Monitoring

Additional Use Cases:
Asset & Operations Optimization, Control Optimization & Autonomy, Environment Monitoring, Logistics & Tracking

Geo Availability:
Global

Solution Sales Contact:
hello@digitalbarriers.com

Intel Sales Contact:
Aneta Zonenberg
aneta.zonenberg@intel.com

Solution Webpage:
https://www.digitalbarriers.com

Solution Overview

U3-CORE technology by DigitalU3 predicts outcomes, prescribes actions, and automates workflows. Powered by AI and Internet of Things (IoT), it turns real-time data into insights, enhancing safety, efficiency, and cost savings across industries. DigitalU3 offers solutions that empower decision-makers to interact with IoT data using simple business language, transforming complex datasets into actionable insights. Their technology addresses the market problem of IoT data complexity and accessibility, leveraging advanced AI and machine learning algorithms to process and analyze data in real time. By providing intuitive tools for data visualization, predictive analytics, and reporting, DigitalU3 enables businesses to make smarter decisions, optimize operations, and unlock the full potential of their IoT investments, thereby delivering significant business value to customers.

Value Props

End-to-End IoT Implementation: Comprehensive services covering IoT implementation from concept to deployment.

Automation Integration Experts: Seamless integration of automation systems for enhanced operational efficiency.

IoT, AI & Data Analytics Specialists: Expert services for extracting insights from IoT data through advanced analytics.

Workflow Automation Solutions: Streamlining operations through intelligent workflow automation for improved efficiency and precision.

Customized Industry Solutions: Tailoring automation and IoT services to unique industry needs.

Intel Components

- Intel® Core™
- Intel® Video Processing Library
- Intel® OpenVINO™
- Intel® Edge AI Box
- Intel® oneAPI

Sales Guidance: Indicators that the U3-CORE solution may be a good fit.

Assess:
☐ Manufacturers exploring the use of AI to optimize energy efficiency, predict maintenance needs, and enhance overall efficiencies
☐ Manufacturers looking to benefit from the raw data collected by current devices and systems

Discover:
☐ Monitor data in real time
☐ Improve overall performance by monitoring performance and identifying bottlenecks

Pain Points:
☐ High instance of unexpected downtime
☐ Difficulty managing raw data and turning it into useful information

U3-CORE Market Ready Solution
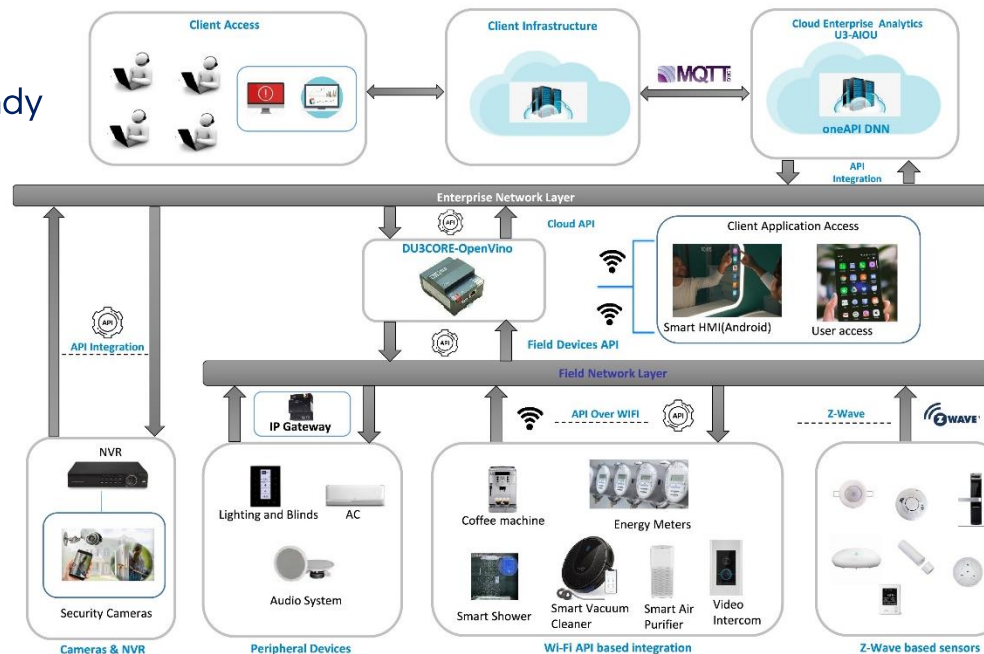
Primary Industry:
Manufacturing

Additional Industries:
Energy, Government, Agriculture, Health & Life Sciences, Retail, Other

Primary Use Case:
Assets & Operations Optimization

Additional Use Cases:
Control Optimization & Autonomy, Energy Monitoring & Management, Environment Monitoring, Machine Condition Monitoring, Situational Monitoring

Geo Availability:
Asia, Pacific and Japan, Americas, Europe, Middle East and Africa

Solution Sales Contact:
kevin@digitalU3.com
dheeraj@digitalU3.com

Intel Sales Contact:
Aneta Zonenberg
aneta.zonenberg@intel.com

Solution Webpage:
https://digitalu3.com/u3-core/

intel. MARKET READY

DN AllConnect^SM Data Engine for Data-Driven Intelligence Powering Actionable Insights

Solution Overview

DN AllConnect Data Engine for customer-facing endpoints powers DN Maintenance Services to drive higher ATM availability and enable FIs to deliver against the expectations of their clients. The system identifies and tracks patterns that occur throughout the devices' lifecycles and builds a precise personality profile for each device. Each profile is continually refined based on further data collection and analysis to provide tailored, actionable insights that ensure resolution of incidents on the first attempt and sometimes even prevent potential future incidents. The platform combines Diebold Nixdorf's decades of unmatched engineering experience, a continuously augmented knowledge base, and the latest developments in IoT, cloud computing and storage, ML, and AI to deliver a solution that helps resolve incidents faster, enables predictive maintenance that prevents failures, and achieves industry-leading first-time fix rates.

Value Props

24/7

Boost customer satisfaction and loyalty by supporting higher ATM availability for a better user experience.

Increase revenue: a high-performing network attracts more consumers, drives more transactions, and grants branch staff more time to strengthen consumer relationships that drive improved business outcomes.

Decrease total cost of ownership: Fewer incidents mean reduced involvement (and related costs) of branch staff and third-party service providers. Better maintenance also helps prolong the lifespan of devices.

Intel Components

- Intel® Core™ i5 processors
- Intel® Celeron® processors
- Intel® Core™ i3 processors

High Level Architecture

Traditional Status Monitoring[1]

ATM

DN Agent

Monitoring System

DN Service Network

DN Service Call System

DN AllConnect^SM Data Engine

Customer Data Center

Service Call Analysis

Engineering Analysis

Engineering Knowledge Base

Technician Apps

Service Technician
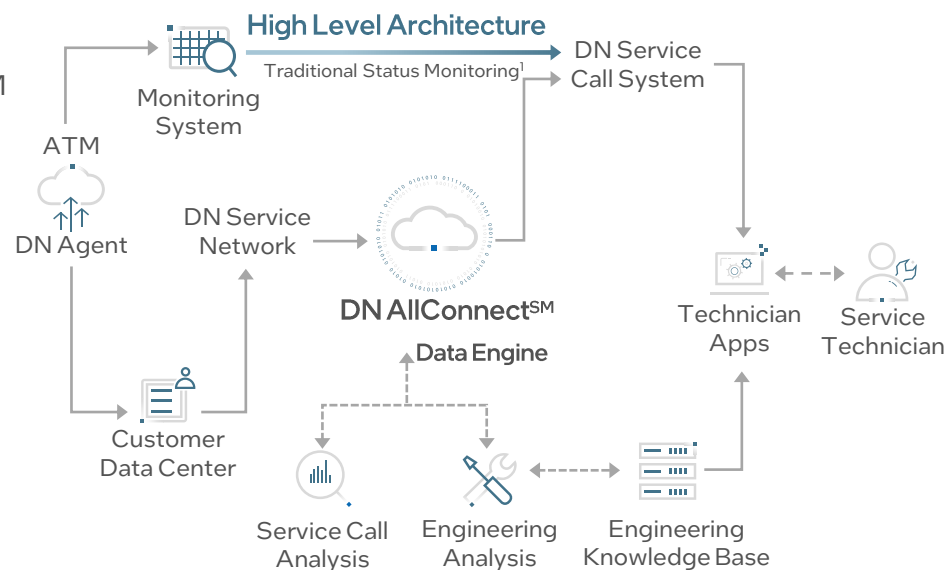
[1]Status Monitoring may be DN, Customer or Third-Party

Target Vertical:
Banking/FSI

Target Use Case:
Asset & Operations Optimization

Secondary Use Cases:
Logistics & Tracking, Machine Condition Monitoring

Geo Availability
Asia, Pacific, Americas, Europe, Middle East, and Africa

Learn More
- Diebold Nixdorf Software Portfolio
- Diebold Nixdorf Solutions Portfolio
- Solution Video (YouTube)
- Solution Webpage

Digifort IP Security System Digifort Cloud

Solution Overview

Designed to meet the growing demand for private, residential, and commercial camera security without taxing local infrastructure, the Digifort IP Security System Digifort Cloud solution creates a centralized data center that allows users to better protect locations and assets.

Value Props

Decrease the total cost of security with an inexpensive security solution that can be integrated with existing cameras, and does not depend on constant maintenance
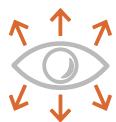
Increase reliability with an enterprise security solution that delivers insightful analytics and operates on a proven cloud architecture

Deploy quickly and effectively with an intuitive all-in-one solution that is easy to configure and operate

Kit Components

- Intel® Xeon® Processors
- Intel® Core™ i5 Processors
- Intel® Core™ i7 Processors
- Intel® Core™ i3 Processors
- Intel® NUC
- 10gbe Intel® ethernet network adapters
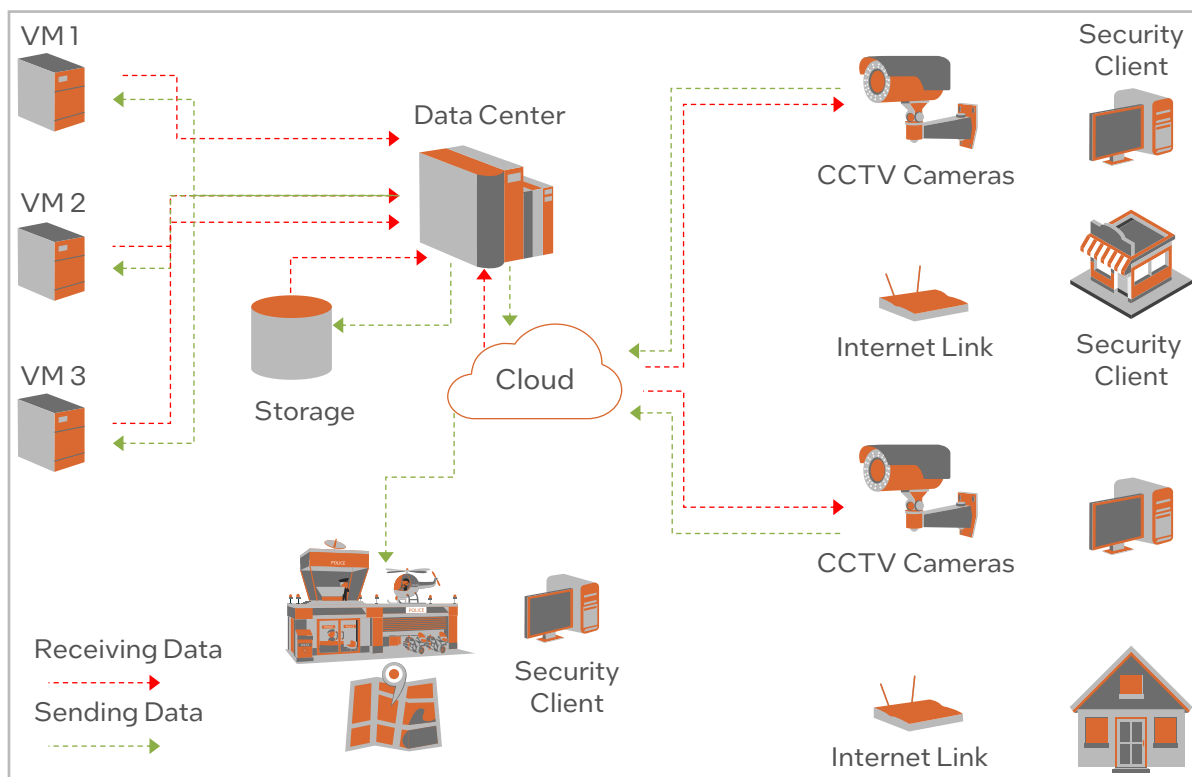
Diagram labels

VM 1
VM 2
VM 3
Data Center
Storage
Cloud
Receiving Data
Sending Data
Security Client
CCTV Cameras
Internet Link
Security Client
CCTV Cameras
Internet Link

Target Vertical:
Retail

Secondary Vertical:
Banking/Financial Services, Hospitality, Transportation, Cooperative Neighborhood

Target Use Case:
Situational Monitoring

Geo Availability
Global

Learn More
- Digifort website
- Digifort Cloud webpage (Portuguese)

Digital China iSESOL Intelligent Manufacturing Solution

Solution Overview

A solution which makes it easier for factories to achieve smart management through the collection of data. By equipping CNC systems with this solution, organizations can increase productivity through intelligent machine diagnosis and clear maintenance decisions.

Value Props

Simplify manufacturing by optimizing the production schedule and maintenance timeline

Increase accuracy by collecting and uploading manufacturing data

Maintain CNC Systems with proprietary software
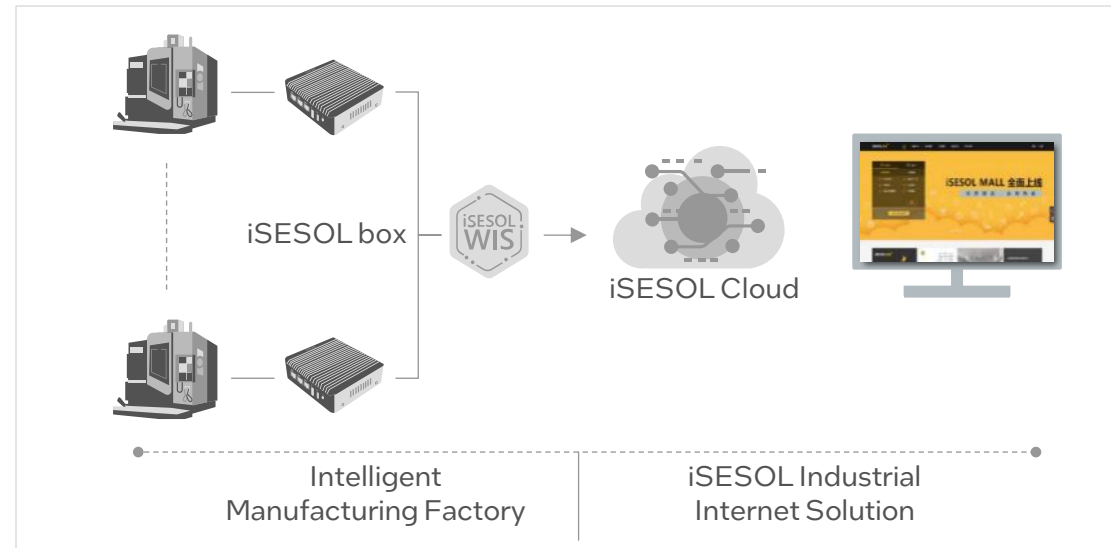
Intel Components

- Intel® Core™ i7 (i7-3555LE)
- Intel Atom® (E3825)
- Intel® SSD (S4500 240G)

iSESOL box

iSESOL WIS

iSESOL Cloud

Intelligent Manufacturing Factory

iSESOL Industrial Internet Solution

Target Vertical: Manufacturing

Target Use Case: Machine Condition Monitoring

Geo Availability

Available in PRC

Learn More
- Digit China Website

Disrupt-X Cognitive Neurons

Solution Overview

Disrupt-X's Cognitive Neurons solution with Smart ANPR uses 6 MP cameras along with customized edge servers to report to Disrupt-X IoT Platform where the vehicle number plate is processed to verify if this vehicle is authorized or not. The solution also utilizes Intel® Distribution of OpenVINO™ toolkit for the AI/ML processing. The solution addresses the challenges faced by residential and commercial parking spaces and eliminates the need of physical access cards. The IoT platform provides property owners beneficial analysis on parking utilization and logs on all entries into their properties , revenue analysis on commercial properties along with ability to view reports and customized dashboards. Disrupt-X also provides mobile application for the residents/tenants in residential properties to view their parking logs and register their vehicles conveniently . This cloud-based IoT solution can significantly improve customer experience, provide beneficial analytics to property owners and reduce operational costs.

Value Props

Simplify parking management by automatically recognizing , analyzing and storing license plate data, minimizing the need for human management

Provides a better experience for tenants by shortening lines and wait times, expediting payment, and making available spaces easier to find

Improves cost efficiency with 24/7 remote management for asset owners by removing dependency on access cards and security personnel for managing accesses into properties

Intel Components

- Intel® Core™ i3 processors
- Intel® Core™ i5 processors
- Intel® Core™ i7 processors
- Intel® Distribution of OpenVINO™ toolkit

Target Vertical: Transportation

Secondary Vertical: Government, Hospitality, and Retail

Target Use Case: Asset & Operations Optimization

Geo Availability Asia, Pacific, and Japan, Americas, Europe, Middle East, and Africa, People's Republic of China

Learn More
- disrupt-X Home Page
- Smart ANPR IoT

95

Disrupt-X Ignite Shield

Solution Overview

The Disrupt-X Ignite Shield is a full-stack IoT solution for monitoring air, gas, and water quality through a cloud platform and mobile application. The platform helps protect the integrity of customer assets by monitoring specific quality control specifications and escalating alarms when assets enter vulnerable operational states. To keep data protected from sensor to cloud, decryption keys are installed, while also using the latest security features from providers like Cloudflare and AWS.

Value Props

Simplify asset management by utilizing the solution's integrated alarm escalations system to inform users when assets are at risk of entering hazardous operational situations

Extend asset lifetime using an integrated cloud platform and mobile application to enable predictive maintenance and streamline corrective actions

Reduce facility management costs with 24/7 remote management to respond to asset issues in real-time, thereby reducing the manual labor requirements associated with routine manual monitoring, metering, and measuring
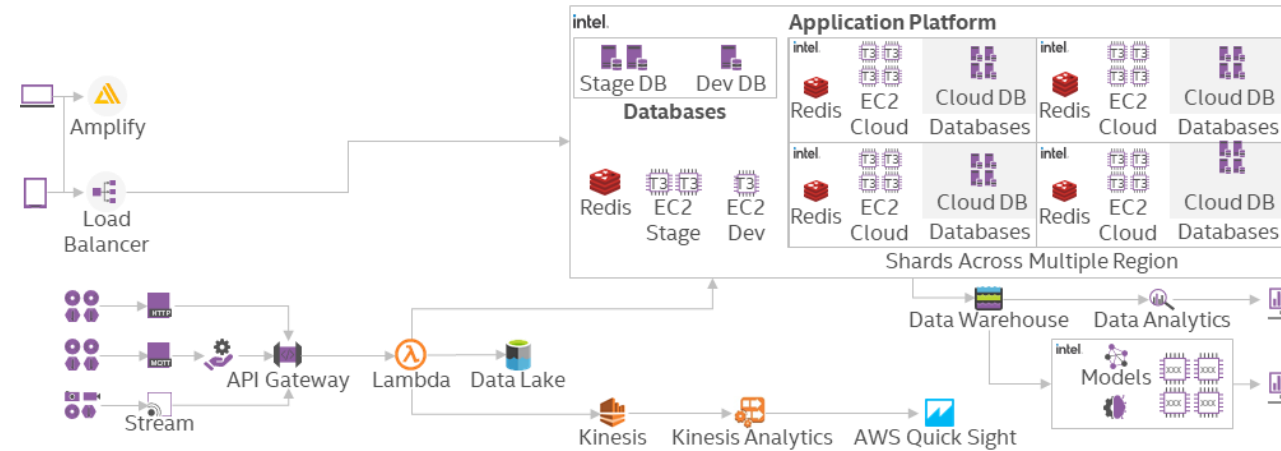
Intel Components

- Intel® Xeon® Scalable Processors

Target Vertical:
Government

Secondary Vertical:
Agriculture, Education, Energy, Health and Life Sciences, Hospitality, Retail, Manufacturing, Transportation, Warehousing

Target Use Case:
Environmental Monitoring

Geo Availability
Global

Learn More
- Disrupt-X IoT Platform Webpage
- Ignite Shield Features Webpage

Kentia Digital Signage
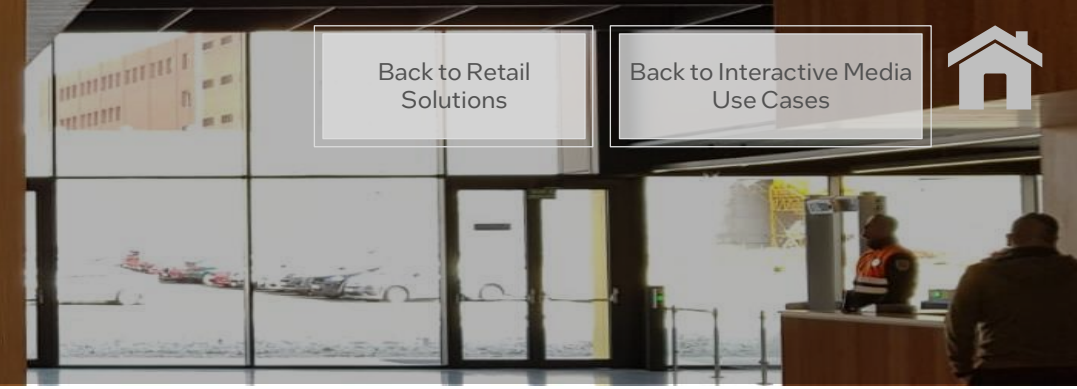
Solution Overview

Retailers often face challenges effectively communicating marketing campaigns and new releases with customers while maintaining an attractive and efficient shopping environment. Traditional signage can further augment these challenges, hindering quick adaption to specific customer desires, demographics, and needs. Econocom addresses these challenges with the Kentia Digital Signage solution, transforming traditional displays into dynamic, intelligent platforms. Powered by Kentia Realdooh, a central server hub dedicated to content management, the system seamlessly transmits data through the Ethernet network to the Intel® NUC 11 Pro Kit which facilitates content transfer across multiple screens without disrupting network programming.

Value Props

Increase end-customer engagement with dynamic displays that capture and maintain retail shopper attention

Capture new revenue streams by extending digital signage space to third-party advertisers

Optimize marketing strategies with analytic tools for data-driven insights
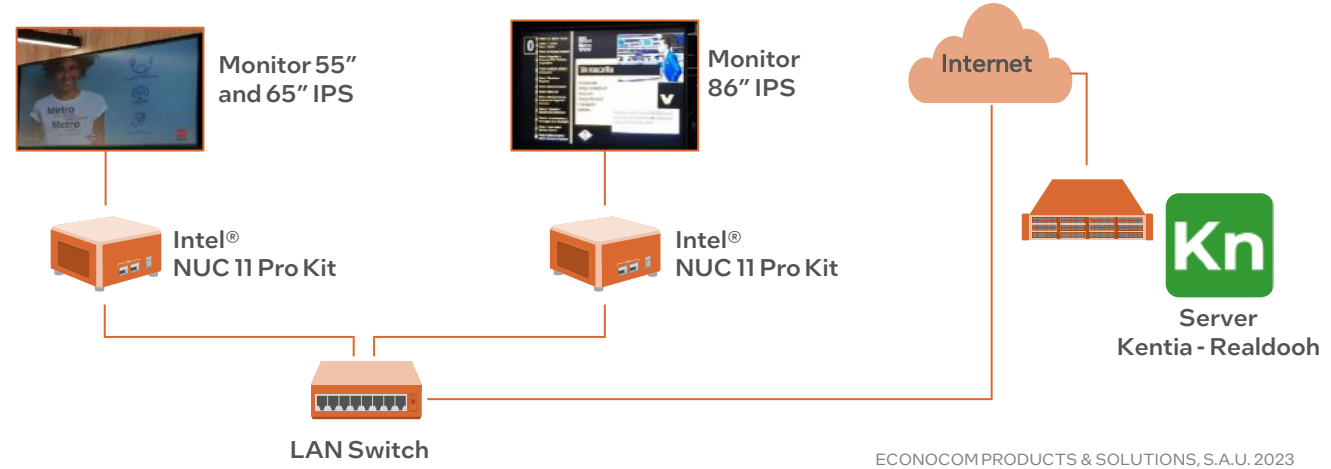
Intel Components

- Intel® NUC 11 Pro Kit
- Intel ® Core™ i5 Processors
- Intel ® Iris ® Xe

Monitor 55" and 65" IPS

Monitor 86" IPS

Internet

Intel® NUC 11 Pro Kit

Intel® NUC 11 Pro Kit

Server Kentia - Realdooh

LAN Switch

ECONOCOM PRODUCTS & SOLUTIONS, S.A.U. 2023

Target Vertical:

Retail

Secondary Vertical:
Hospitality and Restaurants

Target Use Case:

Interactive Media

Secondary Use Case:

Control Optimization & Autonomy

Geo Availability

EMEA

Sales Contact

Alexandra Fernandez – alexandra.fernandez@econocom.com

Solution Webpage

Econocom | Altabox - Kentia Digital Signage

Eigen Machine Vision

Solution Overview

Industrial manufacturing is a complicated process that involves heavy operational workloads in dynamic environments, and companies struggle to maintain efficiency and optimize operations on the factory floor. Eigen Machine Vision is a suite of services and tools developed to help discrete and continuous manufacturers unlock the value of image data to better manage product and process variability across their machines, lines, and factories. As a complete solution, it gives manufacturers, integrators and automation solution providers a scalable product and process intelligence platform and if deployed separately, the tools and services can upgrade existing machine vision systems. The solution can be used to help mitigate the risk of defects, reduce waste and equipment downtime, and realize hundreds of thousands of dollars in savings per line annually.

Value Props

Optimize manufacturing operations with quality and process insights that reduce unplanned downtime, improves quality assurance, and increases OEE

Improve visibility across factory processes with digital records and real-time analytics communicated through dashboards that provide operational insights

Reduce operational costs by mitigating equipment downtime, massively reducing facility waste, and minimizing the potential for line defects

Kit Components
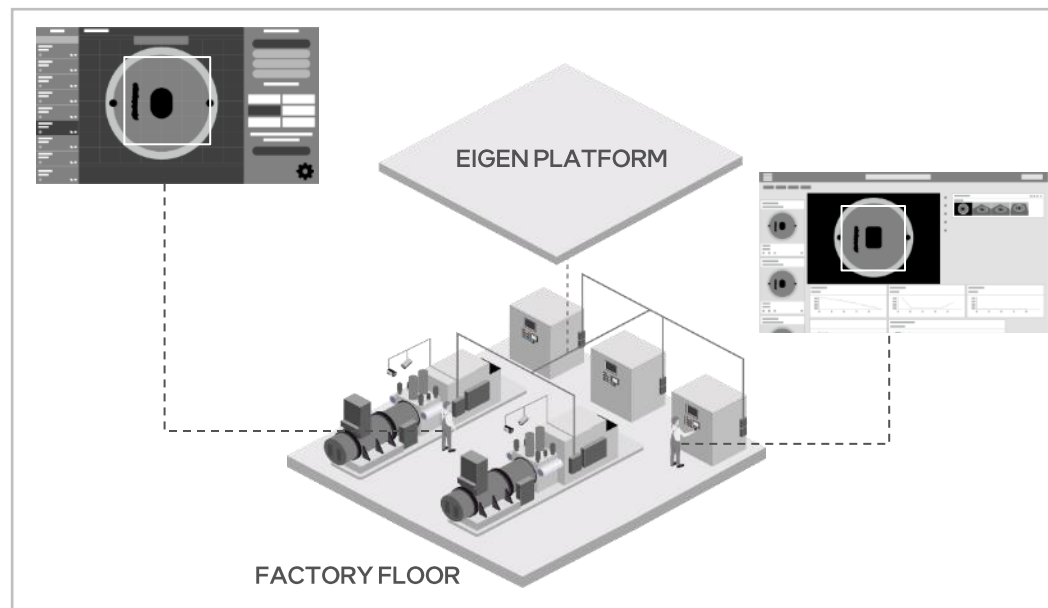
- Intel® Core™ Processors
- Intel® Distribution of OpenVINO™ toolkit

EIGEN PLATFORM

FACTORY FLOOR

Target Vertical:
Manufacturing

Secondary Vertical:
Health & Life Sciences

Target Use Case:
Asset & Operations Optimization

Secondary Use Cases:
Control Optimization & Autonomy, Quality & Process Monitoring

Geo Availability
APJ, Americas, Europe, Middle East, and Africa

Learn More
- Eigen Innovations Website

Expertos En Sistemas Braingine Machine Vision

Solution Overview

Braingine leverages Intel® NUC high-powered edge compute technology for automated inspection of planogram compliance, customer traffic flow, and infinite number of business performance queries for analytics based on AI reporting and recommendations.

Value Props

Gain incremental sales by in-depth monitoring of display and shelving

Optimize operational performance with AI edge compute

Execute real-time AI-generated strategies via high performance machine vision

Intel Components

- Intel® NUC
- Intel® Xeon® Processors
- Intel® Solid State Drives (SSD)
- Intel® Neural Compute Stick 2
- Intel® Movidius™ Myriad™ X VPU

Braingine Architecture

On the Edge Components: Iot Intel NUC vPro

On The Edge

Existing Surveillance Infrastructure

Virtual Private Network

Cipher

DVR/Video Server

Cameras
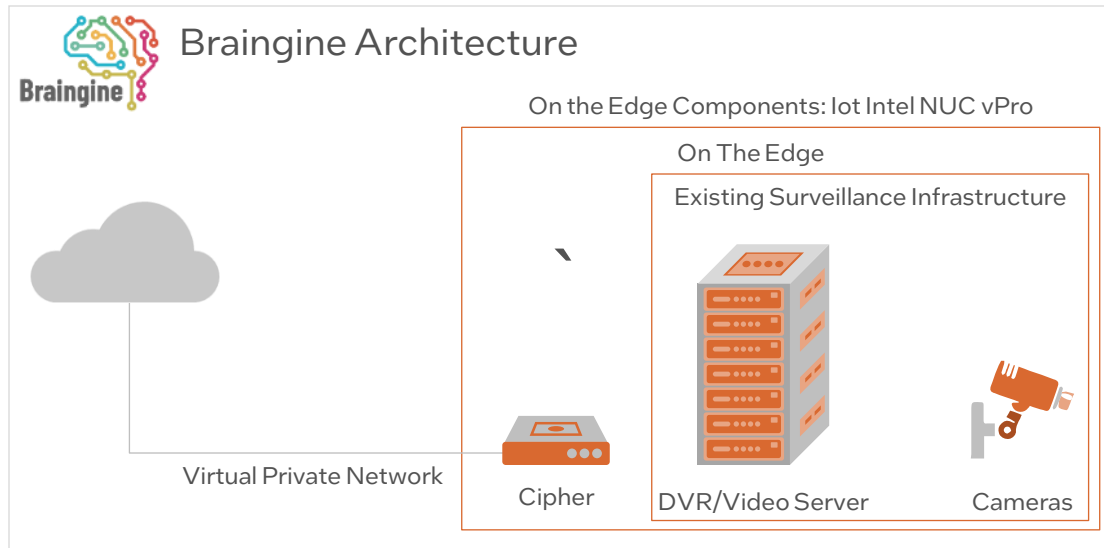
Target Vertical: Retail

Secondary Verticals: Banking/Financial Services, Hospitality, Manufacturing, Government, Transportation

Target Use Case: Situational Monitoring

Secondary Use Case: Logistics & Tracking, Environmental Monitoring

Geo Availability Americas

Learn More

- Learn more about Innodep solutions on the Expertos website
- Learn more about the Braingine solution here
- Contact Expertos here for access to their CMS

Exterity Digital Signage and IP Video Solution

Solution Overview

The Exterity Digital Signage and IP Video Solution enables organizations to communicate more effectively with their customers and staff through the integration of video, audio, and graphics. The end-to-end solution distributes media from a variety of feeds to multiple devices over IP networks.

Value Props

Engage customers quickly with eye-catching digital signage that combines dynamic graphics, text, and video elements to inform, promote, or entertain

Scale brand assets with an enterprise-ready solution that helps manage and configure digital signage with ease

Drive ROI growth with digital signage powered by IPTV technology that helps inform and promote products and services

Intel Components

- Intel® Atom® Processors
- Intel® Core™ i3 Processors
- Intel® Xeon® Processors
- Intel® Media SDK
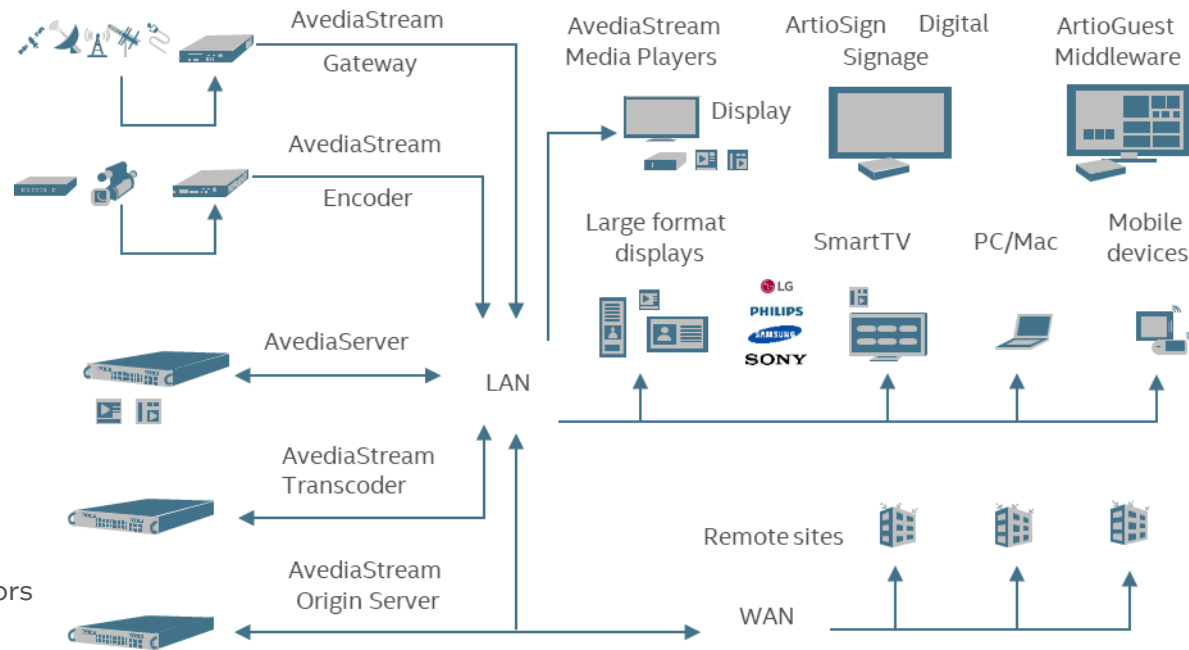
Target Vertical:
Banking/FSI

Secondary Vertical:
Hospitality, Health & Life Sciences, Manufacturing, Transportation, Energy, Education, Venues

Target Use Case:
Interactive Media

Secondary Use Case:
Organisation-wide TV/Video Distribution, Digital Signage

Geo Availability
United States, Europe, Middle East, Africa, and APAC

Learn More
- Exterity website
- Exterity – IPTV & Digital Signage Solutions with executive interviews
- Bayer UK Case Study

faytech AG EASY Shopper

Solution Overview

The faytech AG EASY Shopper solution assists customers in finding products using a cart-mounted GPS and touchscreen. It also shows discounted products and the most efficient path through the store according to the customer's shopping list. Retailers can also check customer behavior and obtain analytics to offer targeted promotions.

Value Props

Reduce costs with fewer cashiers and more cashless payments

Increase customer throughput with innovative way finding technology to accelerate customer traffic through the store

Improve marketing messaging by using customer data and behavior to offer personalized promotions

Intel Components
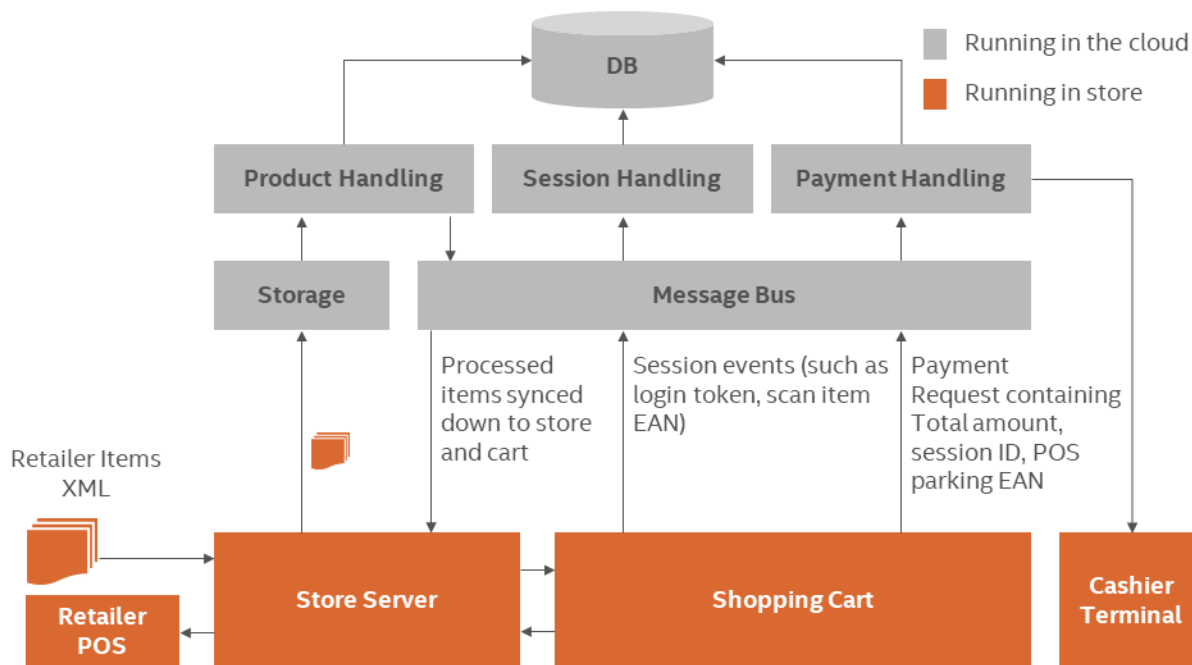
- Intel® Celeron® Processors
- Intel® Core™ i3 Processors

Target Vertical:
Retail

Target Use Case:
Logistics & Tracking

Secondary Use Case:
Interactive Media,
Product Inspection

Geo Availability
NA, EMEA, PRC,
Japan, India

Learn More
- faytech AG Website
- faytech AG Product Page
- EASY Shopper Website
- Intel Solutions Marketplace

Running in the cloud
Running in store

DB

Product Handling | Session Handling | Payment Handling

Storage | Message Bus

Processed items synced down to store and cart

Session events (such as login token, scan item EAN)

Payment Request containing Total amount, session ID, POS parking EAN

Retailer Items XML

Retailer POS

Store Server | Shopping Cart | Cashier Terminal

Fortinet Secure Branch

Solution Overview

The Fortinet Secure Branch solution enables customers to converge their security, WAN, and LAN infrastructure components into a single platform solution. NGFW, SD-WAN and ZTNA features integrate with the FortiGate firewall to allow for secure onboarding of IoT devices while managing real-time security of all devices on the network. Once the devices are authenticated on the network, any vulnerabilities or security anomalies that are detected are automatically isolated to minimize burdens on staff and decrease response time.

Value Props

Protect any edge and any app at scale† with advanced threat protection, convergence of network and security, SSL-Decryption and network automation

Simplify access layer security with direct and integrated control and configuration, and management which extends NGFW to LAN Edge

Reduce costs and complexity with a secure, business outcome driven WAN with better application performance and integrated security

Control every device on every network by automatically discovering devices and applying policy at scale

WAN Edge
NGFW
SD-WAN
Routing

LAN Edge
ZTNA
NAC

Device Edge
FortiClient
EDR

WAN · DIA · 4G/5G · Fortigate · FortiExtender · Fortilink · FortiSwitch · FortiAP · Endpoints · Mobile · IoT · User/Contractor/Guest

Intel Components
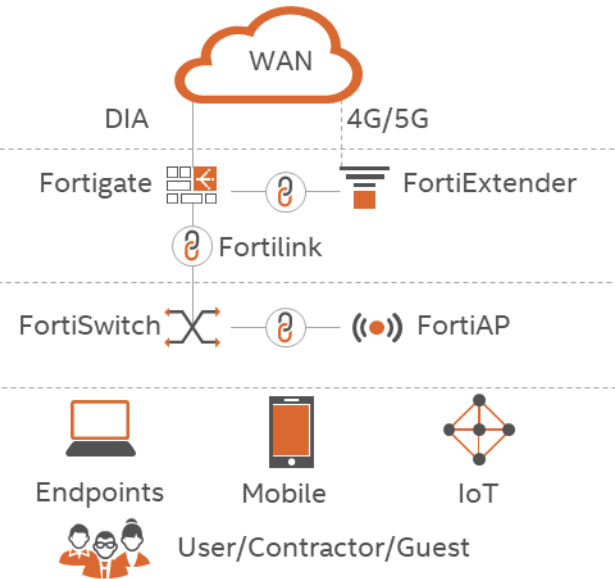
- Intel® Core™ i5 Processors
- Intel® Core™ i7 Processors
- Intel® Xeon® D Processors
- Intel® Xeon® E Processors
- Intel® Xeon® E5 Processors
- Intel® QAT
- Intel® SDO
- Intel Atom® Processors

Target Vertical: Retail
Secondary Verticals: Hospitality

Target Use Case: Asset & Operations Optimization

Secondary Use Cases: Situational Monitoring, Digital Transformation, Network & Security Convergence

Geo Availability Globally Available

Learn More
- Fortinet website
- Fortinet retail
- Fortinet Fabric

Back to
Manufacturing
Solutions

Back to Control
Optimization & Autonomy
Solutions

ForwardX Robotics Visual Autonomous Mobile Robots

Solution Overview

ForwardX provides robotics and software solutions that enable logistics & manufacturing operations to automate material handling processes and manage the fleet of AMRs from a central system. ForwardX robots leverage computer vision and lidar to understand changing environments and allow leaders to maximize performance.

Value Props

Improve productivity and efficiency with AMRs that transport materials to help minimize walking time and improve throughput

Optimize operations by managing of up to 200 AMRs through ForwardX's Matrix fleet management software

Scale rapidly with a straightforward implementation, and no new infrastructure or layout adjustments

Intel Components

- Intel® Core™ i5 Processors

Cloud

Configuration	Operation	Monitoring
User	ML	BI

Edge

Map	Schedule	Job
Traffic	Third-party	OTA
Gateway		

Device

AMR	Charging Station	PDA

OMS/WMS/WCS/MES

开放平台

开发平台
机器人应用

视觉CV平台

仓储WES系统	搬运系统	存储系统

业务中合f(x) Plus

集群调度 f(x) Core

AMR/多智能体

配置中心
数据平台
监控中心
算法平台
模拟仿真
安全

Target Vertical:
Manufacturing

Secondary Vertical:
Hospitality, Retail

Target Use Case:
Control Optimization & Autonomy

Secondary Use Case:
Asset & Operations Optimization, Logistics & Tracking

Geo Availability
Asia-Pacific, North America, South America, Europe

Learn More
ForwardX Website

Getac Video Solutions

Solution Overview

In-car and body-worn video surveillance devices for the Pubic Safety sector that enable outstanding video quality, user-friendly management, and robust data analytics

Value Props

Improve officer safety with complete situational awareness and real-time decision-making

Increase productivity and efficiency by streamlining evidence management

Protect evidence with fault-tolerant devices and secure storage from the DVR to the cloud

Intel Components

Intel® Core™ i3-4005U processor
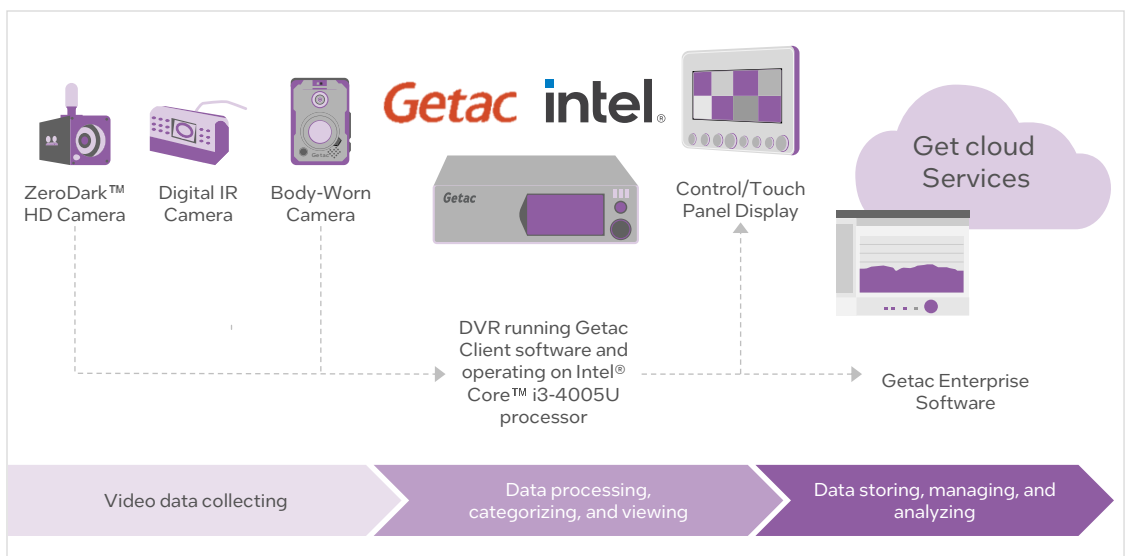
Target Vertical:
Government

Secondary Verticals:
Transportation

Target Use Case:
Situational Monitoring

Secondary Use Case:
Environmental Monitoring,
Human Wellness Monitoring

Geo Availability
U.S. and Canada

Learn More
Getac Video Solutions
website

ZeroDark™ HD Camera
Digital IR Camera
Body-Worn Camera

Getac   intel®

Control/Touch Panel Display

Get cloud Services

DVR running Getac Client software and operating on Intel® Core™ i3-4005U processor

Getac Enterprise Software

Video data collecting → Data processing, categorizing, and viewing → Data storing, managing, and analyzing

Giada Digital Signage Management

Solution Overview

A system of business and industrial-grade media players that are part of a new generation of intelligent digital signage, these displays provide information directly to patrons in a physical space for various industries and scenarios

Value Props

Simplify hardware architecture with a flexible application to meet the needs of the system

Streamline operations through processes to control technology and maintenance

Save time through a customized service

Intel Components

- Intel Atom® Processors
- Intel® Celeron® Processors
- Intel® Core™ i3 Processors
- Intel® Core™ i5 Processors
- Intel® Distribution of OpenVINO™ Toolkit

Intel-based Giada Cloud Terminals

Smart DS software

Digital displays, sensors and other media

Cloud Platform
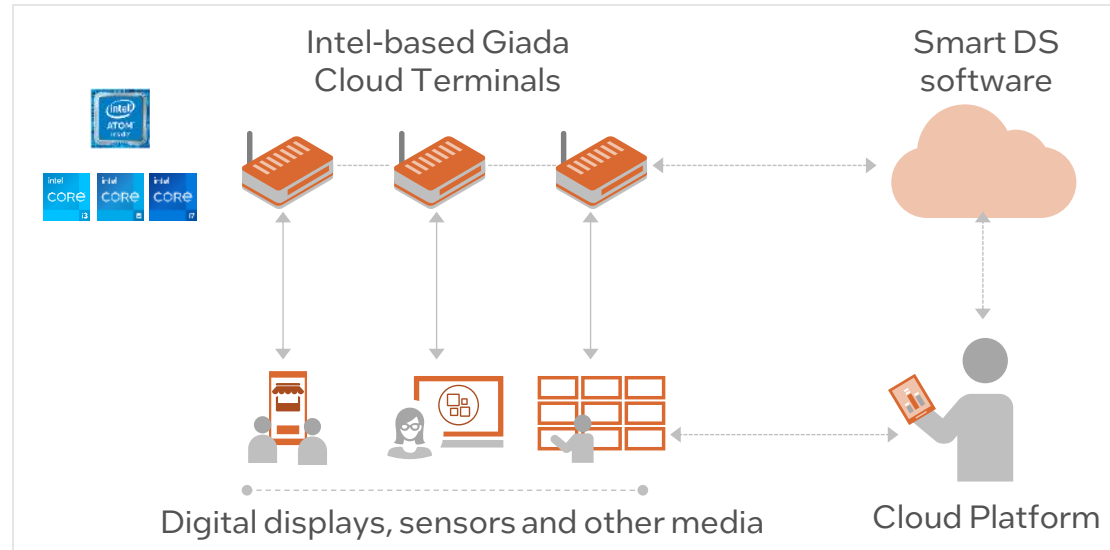
Target Vertical: Retail

Secondary Verticals: Hospitality, Health & Life Sciences, Transportation

Target Use Case: Interactive Media

Geo Availability
APAC and Greater China

Learn More
- The Giada Website here
- To order the Giada Digital Signage Management solution, please contact Tony Liu, the Giada Marketing Director, at Tony@giadatech.com

Graymatics AI Driven Advanced Video Analytics

Solution Overview

Graymatics AI Driven Advanced Video Analytics transforms CCTV technology by creating software that derives contextual metadata from video footage using an advanced AI-driven analytics platform. Going beyond simply capturing camera footage, this solution can track events and help customers identify patterns.

Value Props

Increase operational efficiency through automated analysis and annotation of captured video footage, eliminating the need for human examination

Understand consumer behavior through technology that identifies consumer purchase decisions in real-time

Protect people through automatic recognition and identification of key descriptors

Intel Components
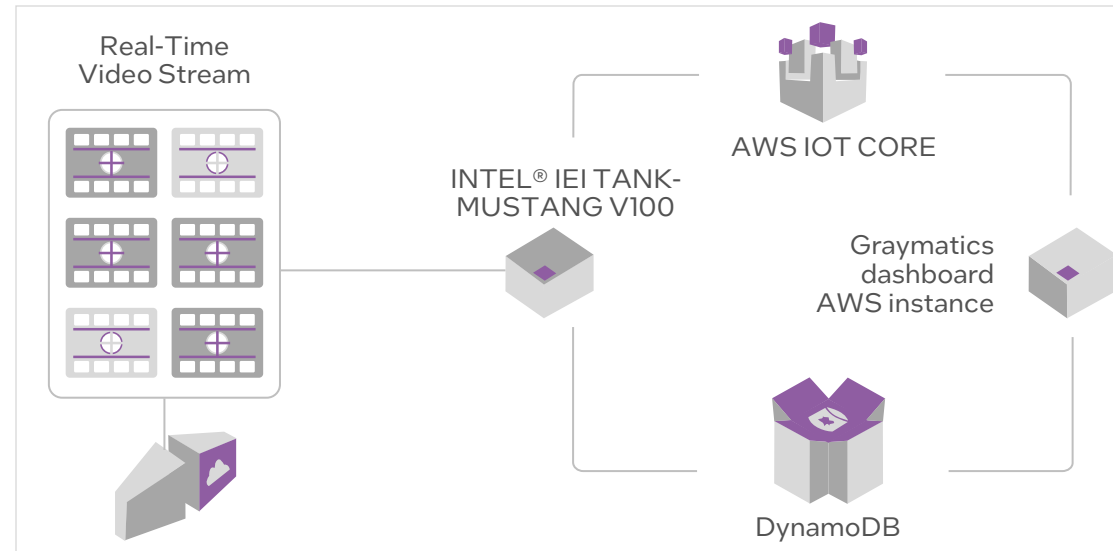
- Intel® Core™ i7 Processors
- Intel® Movidius™ Myriad X® VPU

Real-Time Video Stream

INTEL® IEI TANK-MUSTANG V100

AWS IOT CORE

Graymatics dashboard AWS instance

DynamoDB

Target Vertical:
Government

Target Use Case: Asset & Operations Optimization

Secondary Use Cases:
Banking/FSI, Hospitality, Education, Health & Life Services, Transportation, Manufacturing, Smart City, Building Management

Geo Availability
Asia, Japan, Middle East, Australia

Learn More
- Graymatics website

Grupo MSA – Electronic Ballot System (EBS) by vot.ar

Solution Overview

The Grupo MSA – Electronic Ballot System (EBS) by vot.ar is a solution that provides self-service electronic voting machines with dynamic displays and integrable technology. This solution allows governments to streamline voting and to provide a safer alternative to traditional and DRE systems

Value Props

Provide an easy-to-use system by increasing ballot availability and accessibility

Protect against voter fraud and reduce errors with strict security procedures and checks that prevent double counting votes

Increase voter confidence with manual and electronic auditability options

Intel Components

- Intel® Atom® Processors
- Intel® Celeron® Processors

Polling Places

Voting Units

Transmission Unit

TLS Connection

Internet WAN Network

Cloud Services – On Premises Data Centers

VPN Site to Site

Firewall

Routers

Servers
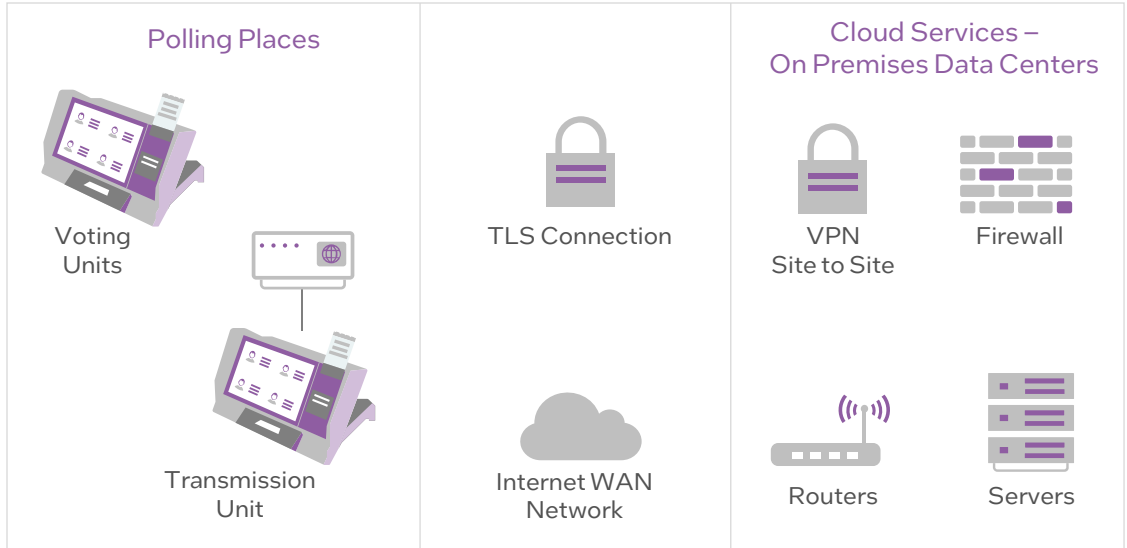
Target Vertical:
Government

Target Use Case:
Interactive Media

Geo Availability
LAR

Learn More
- Grupo MSA Grupo MSA Website
- Intel Solutions Marketplace

Hikrobot: iWarehouse Intelligent Management Warehouse

■ Solution Overview

A warehouse management system that uses a mobile robot and control system to improve storage efficiency.

■ Value Props

Optimize warehouse storage through demand analysis of available storage and automatic shelf adjustments

Streamline warehouse management by supporting inventory business processes

Gain total control with flexible management strategies, user-based permission configuration, and warehouse visualization

■ Intel Components

- Intel® Movidius™ Myriad™ VPU
- Intel® FPGA
- Intel® Xeon®
- Intel® Core™ based CPU Platform
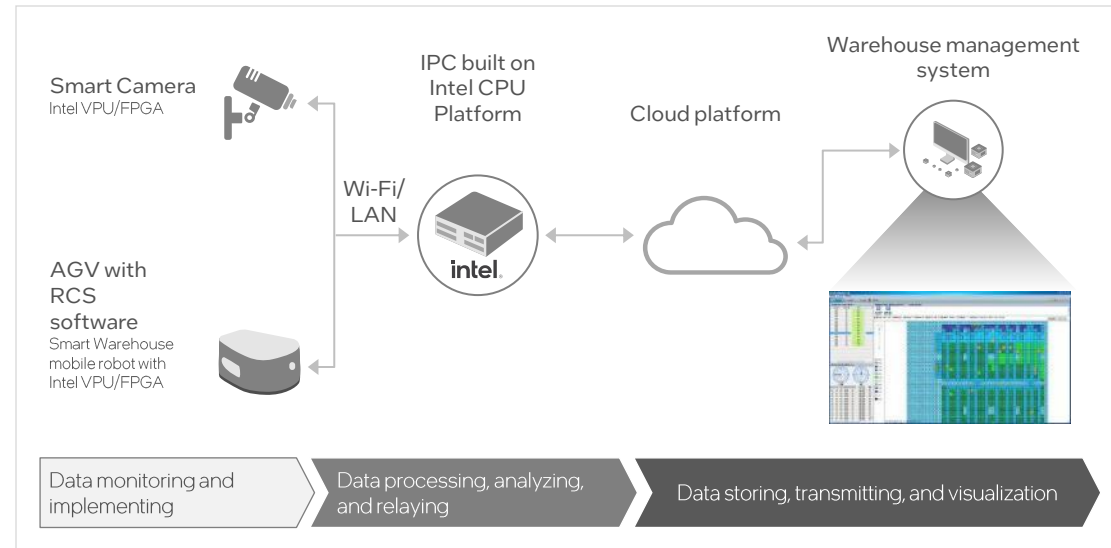
Diagram

Smart Camera
Intel VPU/FPGA

IPC built on Intel CPU Platform

Cloud platform

Warehouse management system

Wi-Fi/LAN

AGV with RCS software
Smart Warehouse mobile robot with Intel VPU/FPGA

Data monitoring and implementing → Data processing, analyzing, and relaying → Data storing, transmitting, and visualization

Sidebar

Target Vertical: Manufacturing

Secondary Vertical: Retail

Target Use Case: Situational Monitoring

Secondary Use Case: Logistics & Tracking

Geo Availability

Available in North America, APJ, PRC, APAC, and EMEA

Learn More

- Hikrobot iWMS solution webpage
- AGV robot demo video 1 and video 2

Honeywell

Honeywell Airport Solutions

Solution Overview

The Honeywell EBI enables the Airport Platform with an easy-to-use, intelligent solution that facilitates building management, safety, security, and communications systems, ground and air traffic control, utility management, situational monitoring, airfield operations, and other airport use cases. This solution coordinates activity by integrating systems, teams, workflows, and devices across facilities and airport special systems. The solution enables airport developers and operators to command and control their united edge with ease and execute efficiently.

Value Props

Streamline labor and operational efficiency with access to real-time data and communications

Enhance situational awareness with a platform that unites a vast range of security edge devices

Help maximize ROI and reduce costs with a platform that can reduce flight delays and streamline cargo and luggage management

Optimize energy consumption with AI that helps track consumption and deliver insights to help optimize energy usage

Intel Components

- Intel® Xeon® E3 Processors
- Intel® NUC
- Intel® Atom® Processors
- Intel® Ethernet Products up to 10GbE
- Intel® Core™ i3, i5, and i7 Processors
- Intel® Media SDK

End to end cyber security	Applications						
	Navitas Suite Surface Manager Engineering Manager	Unified Facility Services	Unified Security Platform	Aerotropolis Management Smart City	ATC Tower Automation Tower Manager	Command and Control Suite Control Centre	Enterprise Applications Billing, Dashboard
	Enterprise Service Bus / Information Broker (On premise or Cloud)				Airside Data Integration Engine		
	Intelligent Building Management Services		Special Airport Systems		Digital Platform (IIoT) Forge		CNS/ATM Systems Integration
	IoT Gateway	Cloud Connector	Jace Box		3D Data Connector	Others	Surveillance Data Fusion
	Staff	Passenger	Bags / Cargo	Landside	Terminal	Gate / Ramp	Airside

Extensible Platform · Intelligent Gateways · Smart Edge Devices

Target Vertical:
Government

Secondary Vertical:
Energy, Transportation & Warehousing

Target Use Case:
Asset & Operations Optimization

Secondary Use Case:
Control Optimization & Autonomy, Energy Monitoring & Management, Environmental Monitoring, Situational Monitoring

Geo Availability
APJ, Americas, EMEA, PRC

Sales Contact:
Deepak Kashyap – deepak.kashyap2@honeywell.com

Learn More
Airports | Honeywell Building Technologies

Honeywell City Suite Safe Cities

Solution Overview

As cities and urban environments continue to grow in population and infrastructure, city officials and community leaders are facing the increasingly complex challenge of managing, monitoring, and operating systems such as traffic control, CCTV cameras, and more. To help cities address this challenge, Honeywell leveraged the Honeywell City Suite to develop its Safe Cities program, a comprehensive platform that gives community stakeholders the required insights and visibility to coordinate every aspect of complex city management. From day-to-day public property monitoring to coordination during an emergency situation, Honeywell City Suite integrates data collected from various systems such as security cameras, traffic management, parking management, waste management, lighting, energy and more to deliver real-time insights to inform decisions and facilitate rapid incident response to help create safer cities.

Value Props

Reduce incident response time by deploying a platform that uses real-time video analytics to enable automatic anomaly detection, geo locating, and city resource availability & assignment to identify the most efficient response route for emergency responders

Improve operational efficiency and compliance with a solution that facilitates the use of a structured Standard Operating Procedure with closed loop incident handling that can be audited in addition to an integrated Computer Aided Dispatch (CAD) system to reduce time for emergency call dispatching

Intel Components

- Intel® Xeon® SP Silver
- Intel® Core™ i5 Processors
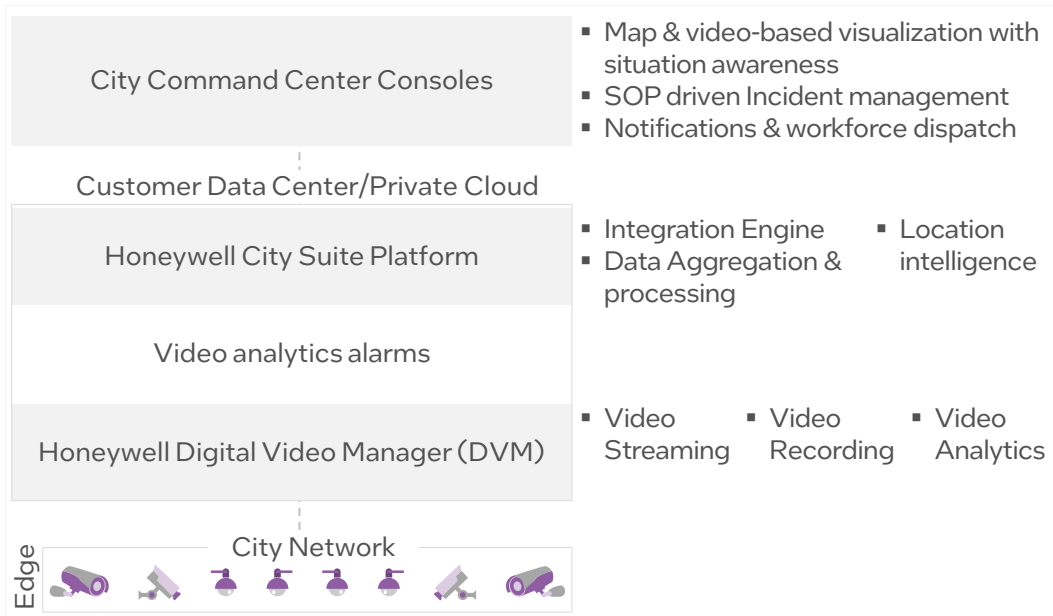
City Command Center Consoles	• Map & video-based visualization with situation awareness • SOP driven Incident management • Notifications & workforce dispatch

Customer Data Center/Private Cloud

Honeywell City Suite Platform	• Integration Engine • Location intelligence • Data Aggregation & processing

Video analytics alarms

Honeywell Digital Video Manager (DVM)	• Video Streaming • Video Recording • Video Analytics

Edge — City Network

Target Vertical:

Government

Target Use Case:

Situational Monitoring

Geo Availability:

Asia, Americas, Europe, Middle East, Africa

Sales Contact:

Vivek Varma – vivek.varma@honeywell.com

Solution Webpage:

Honeywell Building Technologies Website

Learn More:

Honeywell Website

HuaDian Intelligent Energy Management

Solution Overview

A lightweight smart energy solution purpose-built to meet the demands of modern grids and systems to help businesses and governments realize comprehensive energy monitoring and management

Value Props

Save on energy costs by managing energy across sites remotely from a centralized platform

Increase operational efficiency by predicting failures and intelligently optimizing energy workloads

Improve worker safety by reducing on-site maintenance calls and identifying hazardous conditions remotely

Intel Components

- HuaDian SEG-550 Smart Energy Gateways based on Intel Atom® processors
- HuaDian SEK-6460 Terminal Equipment based on Intel® Core™ vPro™ processors
- HuaDian Smart Energy Cloud Service Platform on 3rd party platform (Alibaba AliCloud) or Intel® Xeon® processor-based CSP

Measurement Layer — Collector Layer — Transport Layer — HuaDian Smart Energy Cloud Service Platform Layer

R232 or R485 bus — 3G/4G cellular — SSL VPN — Corporate Enterprise IT — IPsec VPN — Provincial Government Platforms — National Government Platforms

Sensors Measuring Grid Assets and Energy Resources — HuaDian SEG-550 Smart Energy Gateways — HuaDian SEK-6460 Terminal Equipment — Enterprise IT Systems
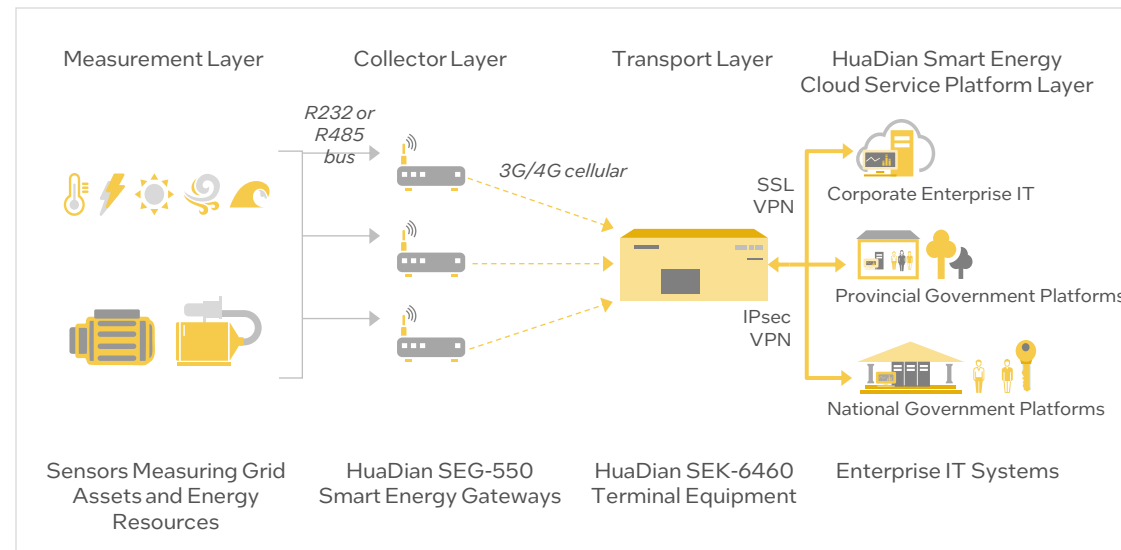
Target Vertical: Energy
Secondary Verticals: Government

Target Use Case: Energy Monitoring & Management

Secondary Use Cases: Machine Condition Monitoring

Geo Availability
China, US, Europe, Asia

Learn More
- Lanner Inc. Power and Energy Solutions

Hubz Smart Stores

Solution Overview

Smart Stores by Hubz is a smart vending solution automates the vending process for distinctly smooth self-service. Vending operators can offer fresher, healthier products and securely operate micro-markets, while retailers can provide customers with 24/7 availability of select products. Smart Stores helps businesses increase efficiencies and implement valuable insights based on inventory and customer behavior.

Value Props

Enhance customer experiences through frictionless digital-physical self-service

Drive efficiencies by enabling flexible planogram of multiple SKU's on one plate

Gain valuable insights into consumer behavior and inventory levels with real-time visibility
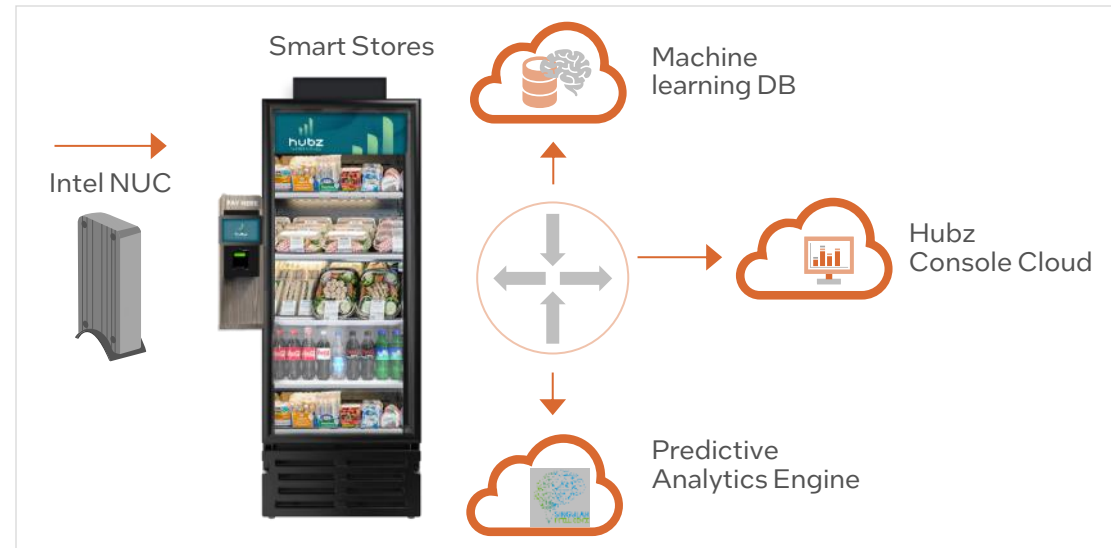
Intel Components

Intel® NUC

Intel NUC

Smart Stores

Machine learning DB

Hubz Console Cloud

Predictive Analytics Engine

Target Vertical: Retail

Target Use Case: Logistics & Tracking

Secondary Use Case: Interactive Media

Geo Availability
US, EMEA

Learn More
Hubz Smart Stores webpage

HY Medical AI-Assisted Diagnosis of Medical Imaging on IA Solution

Solution Overview

Hitachi Vantara's Smart Spaces and Lumada Video Insights provides the Intelligent Behavior Monitoring for Healthcare and Life Sciences solution that has the potential to deliver an immediate value for healthcare organizations through real-time monitoring of patient activity, worker health, and facility operations.

Value Props

Increase diagnostic accuracy for a variety of conditions and diseases with advanced AI software for medical imaging

Improve work efficiency with powerful computing that can rapidly detect a lesion area, analyze it, and segment it automatically for facilitated viewing

Mitigate personnel shortages with advanced AI systems that leverage hospital image data to produce results and help close medical experience gaps

Intel Components

- Intel® Core™ i5 Processors
- Intel® Xeon® Processors
- Intel® Distribution of OpenVINO™ Toolkit

Target Vertical: Health & Life Sciences

Target Use Case: Product Inspection

Deployment Architecture

Hospital Intranet

Reginal Healthcare Network

Clinical Department

Clients — Medical AI AIO (Server)

Clinical Department

Clients — Medical AI AIO (Server)

Patients

Reginal medical Center

Regional Radiology Experts
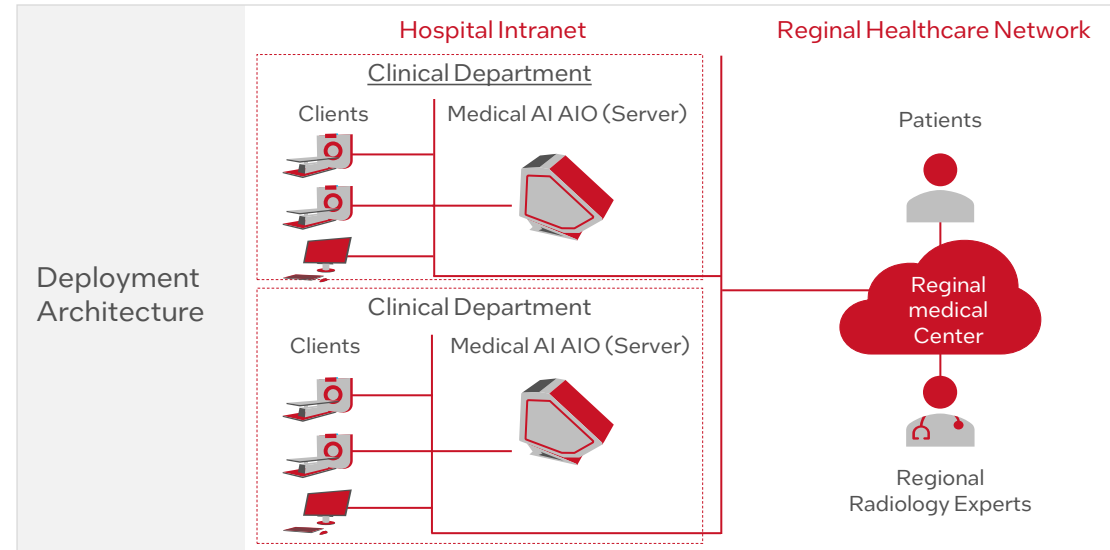
Geo Availability
Asia/Pacific/Japan; PRC; EMEA; Americas.

Learn More
- HY Medical Intel Website
- Solution Demo Platform
- Solution Video
- Solution Documentation

The Hark Platform

Solution Overview

The Hark Platform consists of the Hark Connect, Hark Analytics, and Hark Energy Tools software suite. This cloud-based sensor platform helps businesses monitor, manage, regulate, and optimize electrical and mechanical operations across a diverse range of asset classes and devices by processing and analyzing millions of sensor readings in real-time. Captured data is ported via a wide range of protocols to produce rich user-friendly dashboards and visualizations. Data can also be leveraged to create nuanced event triggers and alerts, as well as complex automation processes.

Value Props

Save money and carbon by reducing excess consumption through a solution that monitors high volumes of data to fine tune automated processes and mitigate risks

Enhance the performance of industrial systems through real-time alerts, benchmarks, reports, triggers, events, and other automated protocols without costly hardware replacements

Achieve seamless interconnectivity by uniting a wide range of devices through a dynamic data network to streamline and optimize complex operations

Solution Components
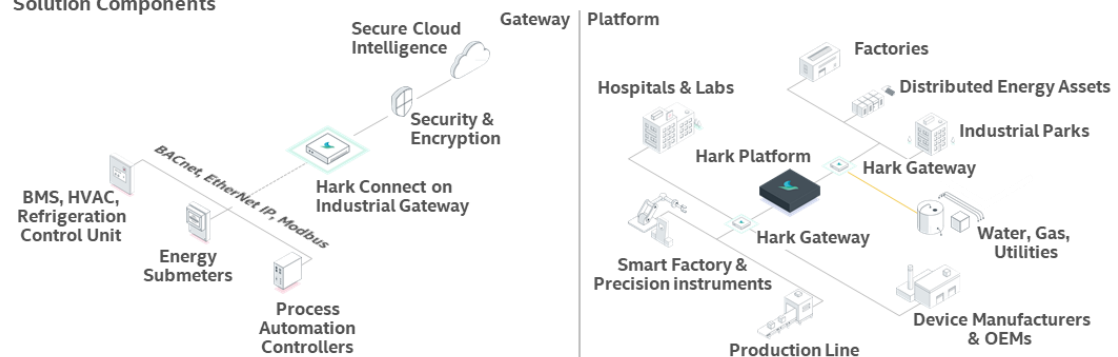
Secure Cloud Intelligence

Gateway | Platform

Security & Encryption

BMS, HVAC, Refrigeration Control Unit

BACnet, EtherNet IP, Modbus

Hark Connect on Industrial Gateway

Energy Submeters

Process Automation Controllers

Factories

Hospitals & Labs

Distributed Energy Assets

Industrial Parks

Hark Platform

Hark Gateway

Hark Gateway

Water, Gas, Utilities

Smart Factory & Precision instruments

Device Manufacturers & OEMs

Production Line

Intel Components

Intel® Atom® Processors

Target Vertical:
Manufacturing

Secondary Verticals:
Agriculture; Energy; Health & Life Sciences; Hospitality; Retail

Target Use Case:
Energy Monitoring & Management

Secondary Use Cases:
Asset & Operations Optimization; Environment Monitoring & Management; Logistics & Tracking; Machine Condition Monitoring

Geo Availability
Canada; United States; Germany; United Kingdom

Learn More
- Hark Homepage
- Solution documentation
- Solution architecture

HOOBOX Robotics Neonpass

Solution Overview

The HOOBOX Robotics Neonpass is a patient pre-check-in and document eligibility verification kiosk solution that automates patient admission on the administrative side, and also allows staff to track patients inside the hospital to ensure security and avoid fraudulent actions. Additionally, the kiosk helps streamline the patient experience as patients who have pre-checked-in can be admitted inside the hospital through the touchless kiosk by face recognition identification. This helps avoid delays and reduces patient admission costs for the hospital.

Value Props

Increase patient satisfaction with a seamless experience that streamlines the check-in process and reduces wait times

Reduce costs by 35% to 85% on manual patient administration processes with pre-check in, with staff freed up to perform other valuable tasks

Improve patient data collection, retention, and privacy with a digital application that brings questionnaires to the patient's personal devices for easy accessibility and participation, increasing the number of completed forms by up to 23%

INVITATION. | ONLINE CHECK IN. | ACCESS.

Simple 3 Steps

HOSPITAL SENDS INVITATION — PATIENT ONLINE PRE-CHECK IN — SERVICE OR ACCESS
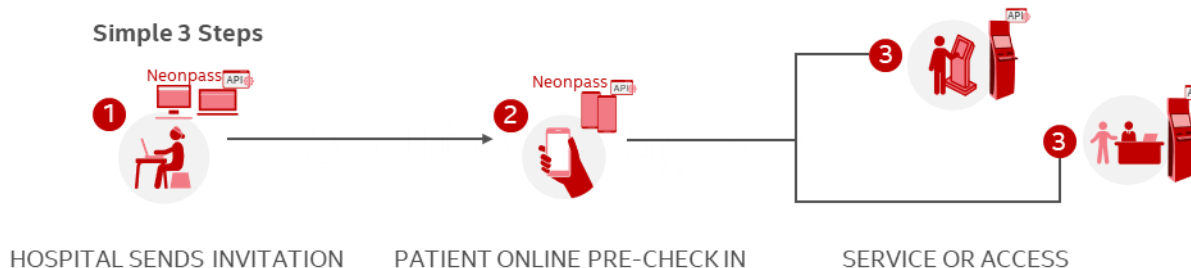
Kit Components

- Intel® NUC
- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Realsense™ Technology

Target Vertical:
Health & Life Sciences

Secondary Vertical:
Education

Target Use Case:
Asset & Operations Optimization
Secondary Use Case:
Human Wellness Monitoring

Geo Availability
Brazil, Canada, Mexico, United States, Other Americas, Middle East, North Africa and Turkey

Learn More
- HOOBOX website
- HOOBOX Neonpass landing page

i3-Technologies Hybrid Teaching

Solution Overview

The i3-Technologies Hybrid Teaching Solution provides a comprehensive portfolio of cloud-based technologies for education institutions. Information is displayed at the edge and distributed via the cloud to the i3LEARNHUB platform. IT managers can use i3RDM to monitor their interactive screens, view usage data, remotely roll out updates, and ensure compliance and enhance device security.

Value Props

Provide interactive learning opportunities to students, turning physical and digital classrooms into collaborative workspaces

Monitor data infrastructure security with the latest privacy and infrastructure security requirements

Improve efficiencies of network devices, install apps, and view usage data
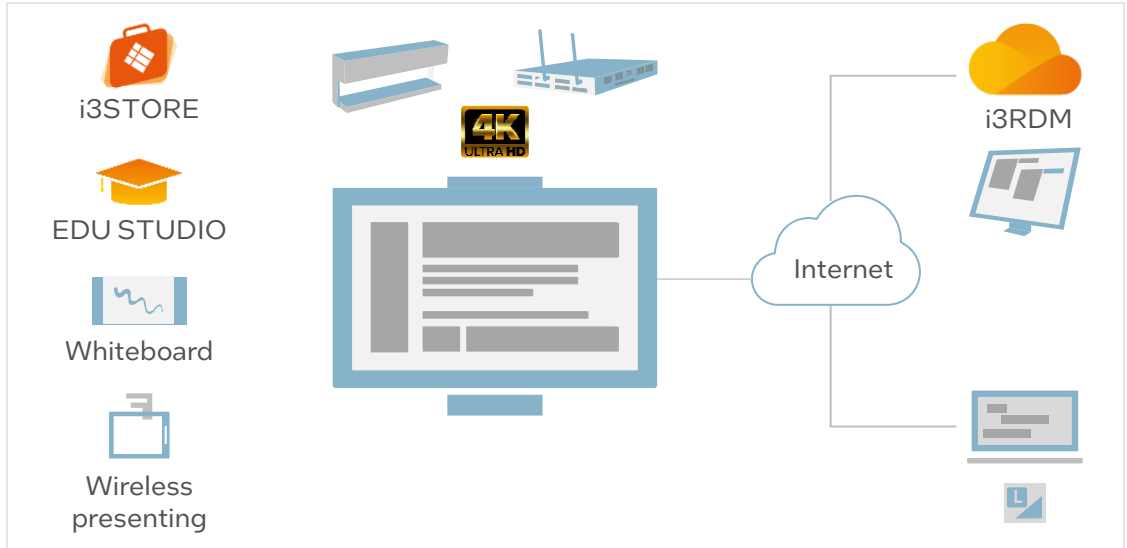
Intel Components

Intel® Core™ i3, i5, or i7 processors

i3STORE

EDU STUDIO

Whiteboard

Wireless presenting

4K ULTRA HD

Internet

i3RDM

Target Vertical: Education

Secondary Verticals: Public Sector/Government

Target Use Case: Interactive Media

Secondary Use Cases: Human Wellness Monitoring

Geo Availability Globally

Learn More i3 Website

Imedtac iVMS Intelligent Vital Signs Station

Solution Overview

The iVMS Intelligent Vital Signs Station is a smart all-in-one wellness diagnostic kiosk that measures vital sign tests like height, weight, blood pressure, heartbeat, and temperature. Collected data can be upload to the cloud or even connect the hospital data systems directly to the cloud for data access.

Value Props

Measure vital signs quickly and accurately

Streamline operations by allowing visitors to check their vital signs themselves, freeing up staff

Manage patient data easily by automatically uploading data to the cloud and access data through a Hospital Information System

Intel Components

- Intel® Core™ i3 Processors
- Intel® Core™ i5 Processors
- Intel® Atom® Processors

Get personal health record

Upload to server

System integration

IMVS Server

Hospital HIS/NIS

Mobile App

Management Platform
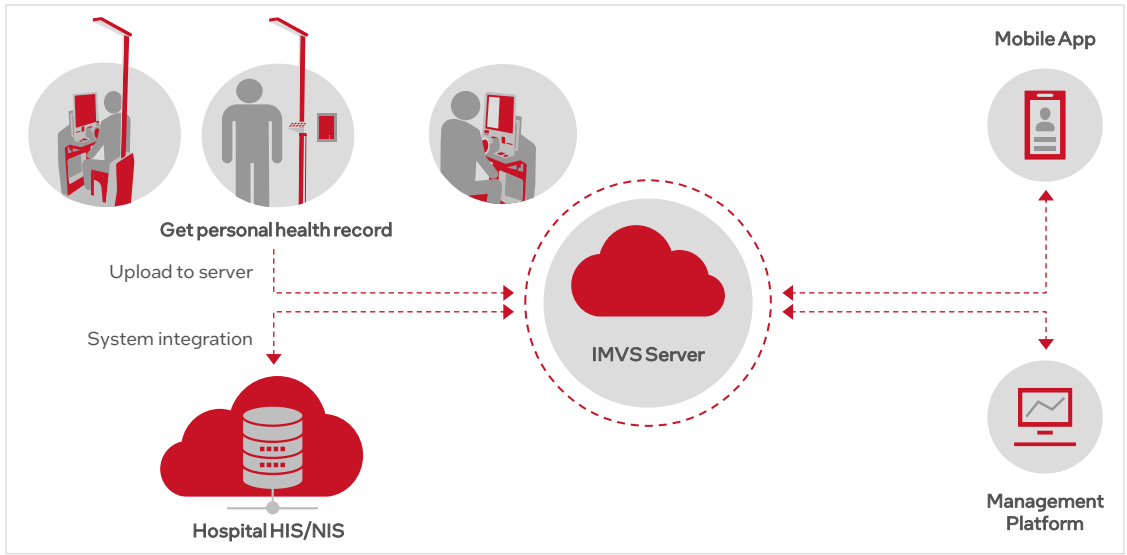
Target Vertical: Health & Life Sciences

Secondary Verticals: Banking/Financial Services; Education; Government; Manufacturing; Retail; Transportation

Target Use Case: Human Wellness Monitoring

Secondary Use Case: Interactive Media

Geo Availability
Brazil, Canada, Mexico, United States, Other Americas, Australia/New Zealand, India, Japan, South Korea, People's Republic of China, Taiwan, Germany, Israel, Middle East, North Africa, Turkey, Russia, Sub-Saharan Africa, United Kingdom

Learn More
Imedtac website

IDIS Solution Suite and IDIS Center

■ Solution Overview

IDIS Center is a license-free video management software (VSM) for integrated management on IDIS products with the ability to live monitor up to 1,024 IDIS devices and provide video playback. IDIS Solution Suite is a VMS, requiring a one-time license fee, that integrates with third-party systems to manage an unlimited number of IDIS devices and compatible third-party systems and offers advanced functions such as backup, failover, streaming, and federation. The data gathered is then aggregated to provide real-time security notifications when threats arise.

■ Value Props

Help manage safety and security with ease with an end-to-end solution providing sourcing equipment, management software, and accessories

Decrease operational costs with FEN solution that's quick to install and integrates with existing systems

Increase system performance with multi-channel video recording through failover, backup, and redundancy functionalities

■ Intel Components

▪ Intel® Core™ i7 Processors   ▪ Intel® Atom® Processors

Diagram labels

- Analog Cameras
- DirectIP Camera
- Video Encoders
- DirectIP NVRs
- DirectCX TVRs
- DirectCX Camera + Analog Cameras
- NETWORK
- Expert Service
- Federation Service
- Network Keyboard
- Solution Suite (Federation) Client
- Solution Suite (Federation) Video Wall

Sidebar
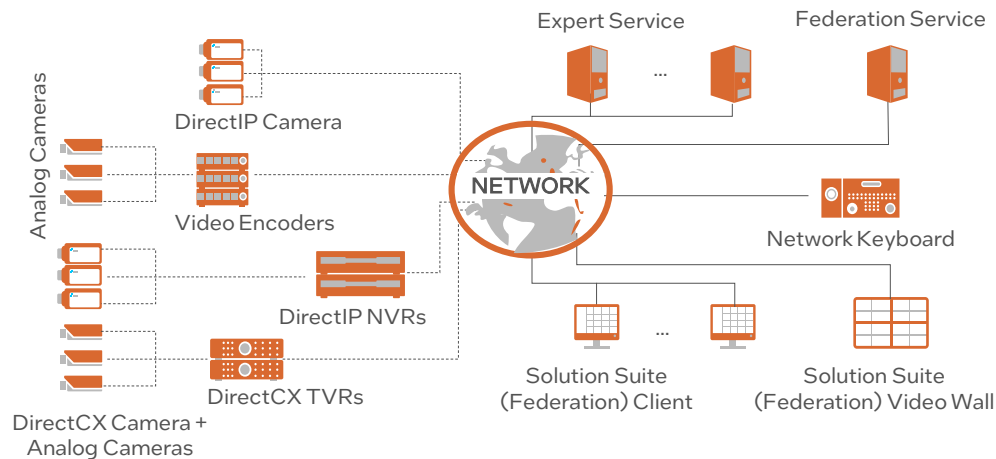
Target Vertical:
Retail

Secondary Vertical:
Banking/Financial Services

Target Use Case:
Loss Prevention, Situational Monitoring and Awareness

Secondary Use Cases:
Asset Protection, Tracking, Analysis and Action

Geo Availability
Globally

Learn More
- ▪ IDIS Website
- ▪ IDIS Solution Suite Website
- ▪ IDIS and NDAA Compliance

iCAP Air Quality Devices Management Platform

Solution Overview

iCAP Air is cutting-edge air quality device management software specially designed to address the requirements of indoor environments like factories. This solution seamlessly integrates with Intel's 12th-generation CPU architecture, ensuring a powerful platform for real-time monitoring and analysis of indoor air quality. It efficiently processes diverse data from devices. Users have the flexibility to download historical data at different date intervals. However, format conversion may impact performance, especially with significant data volumes. Leveraging the powerful Intel hardware, iCAP air excels in managing large datasets, ensuring optimal performance in scenarios with high data-processing demands.

Value Props

Smart Management
Real time air quality information via web or mobile app. Conduct group management for various locations and devices.

Alarms and Automatic Trigger
Customize thresholds for different air factors and issue instant alerts to web and mobile apps. Activate ventilation equipment based on real-time air quality levels.

AI Analysis Report
Generate monthly analysis reports to comprehend air quality trends. Find abnormal devices to reduce management effort and let data contribute more value.
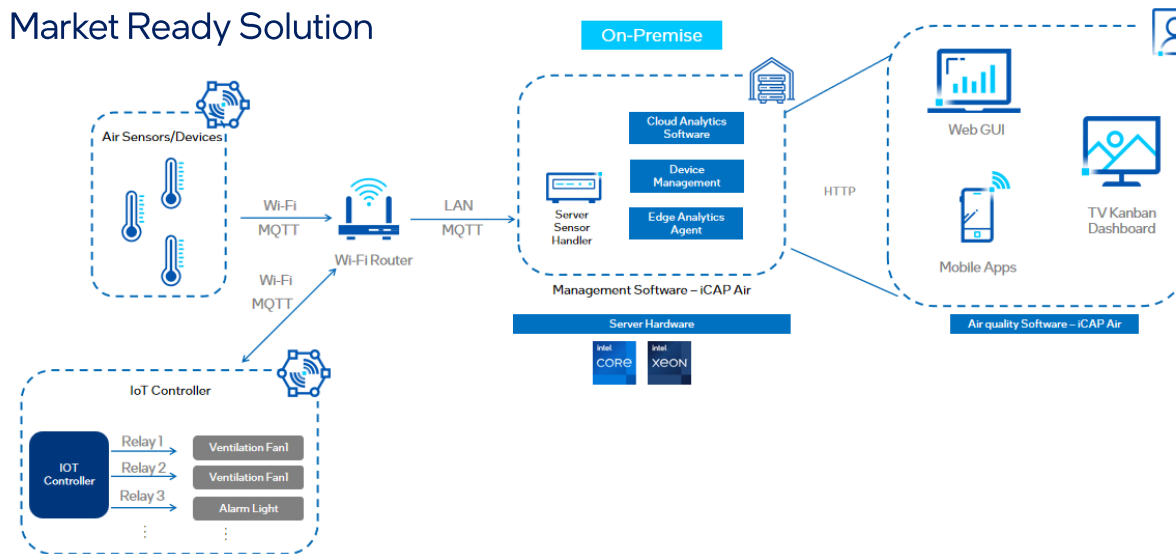
On Site Display
Upload videos and text for commercial and policy promotion.

Intel Components

- Intel® Core™
- Intel® Xeon®

iCAP Air Quality Devices Management Platform Market Ready Solution

Sales Guidance: Indicators that the iCAP Air Quality Devices Management Platform solution may be a good fit.

Assess:
❏ Commercial centers, cinemas, manufacturers, and public transportation looking to improve air quality and/or working conditions inside.
❏ Manufacturers wanting to reduce the manpower required in producing compliant air quality reports.

Discover:
❏ Improved cost savings by identifying inefficiencies in air quality monitoring, just as data lag, manual reporting and delay in real-time response
❏ Optimize air purification and/or exhaust ventilation systems

Pain Points:
❏ High levels of data fragmentation
❏ Difficulty maintaining regulatory compliance
❏ High labor cost due to manual processes

Primary Industry:
Manufacturing

Primary Use Case:
Situational Monitoring

Geo Availability:
Asia, Pacific and Japan, Americas

Solution Sales Contact:
https://innodisk-aiot.weya.tw/contact/

Intel Sales Contact:
Lawrence Lee
lawrence.lee@intel.com

Solution Webpage:
https://innodisk-aiot.weya.tw/ai-software/icap/

Solution Overview

AI Edge Solution Kit is a comprehensive toolkit that combines Intel architecture-based edge computing, advanced camera technology, and a no-code visual AI model development platform—iVIT. This kit is designed to assist developers in quickly and easily implementing end-to-end visual AI applications, seamlessly covering the entire process from model training to inference.

Value Props

Harmonious AI Development
The iVIT consists of iVIT-I (AI model training) and iVIT-T (AI model inference), enabling seamless customization of AI models that precisely cater to any AI machine vision requirement.

No-Code Environment
A no-code toolkit featuring a user-friendly and visually intuitive GUI interface, eliminating the need for intricate programming.

Model Management
Through the model management function, users can conveniently establish and oversee diverse AI models while also revisiting previous history.

Support for Heterogeneous Platforms
The iVIT is compatible with various platforms like GPU, CPU, and iGPU, allowing users to swiftly assess processing efficiency on different inference servers through its benchmark performance testing tool.

Intel Components

- Intel® Core™
- Intel® Xeon®
- Intel® OpenVINO™

Vision AI Model Development Starter Kit-iVIT+Camera Market Ready Solution

Primary Industry:
Manufacturing

Primary Use Case:
Product Inspection

Geo Availability:
Asia, Pacific and Japan, Americas

Solution Sales Contact:
https://innodisk-aiot.weya.tw/contact/

Intel Sales Contact:
Lawrence Lee
lawrence.lee@intel.com

Solution Webpage:
https://innodisk-aiot.weya.tw/ai-software/ivit/

Sales Guidance: Indicators that the Vision AI Model Development Starter Kit-iVIT+Camera solution may be a good fit.

Assess:
- ❏ Manufacturers lacking technical coding/programming knowledge
- ❏ Manufacturers looking for a cost-effective solution for building AI models for diverse product lines
- ❏ Manufacturers wanting more control over their AI model management and updates to AI models
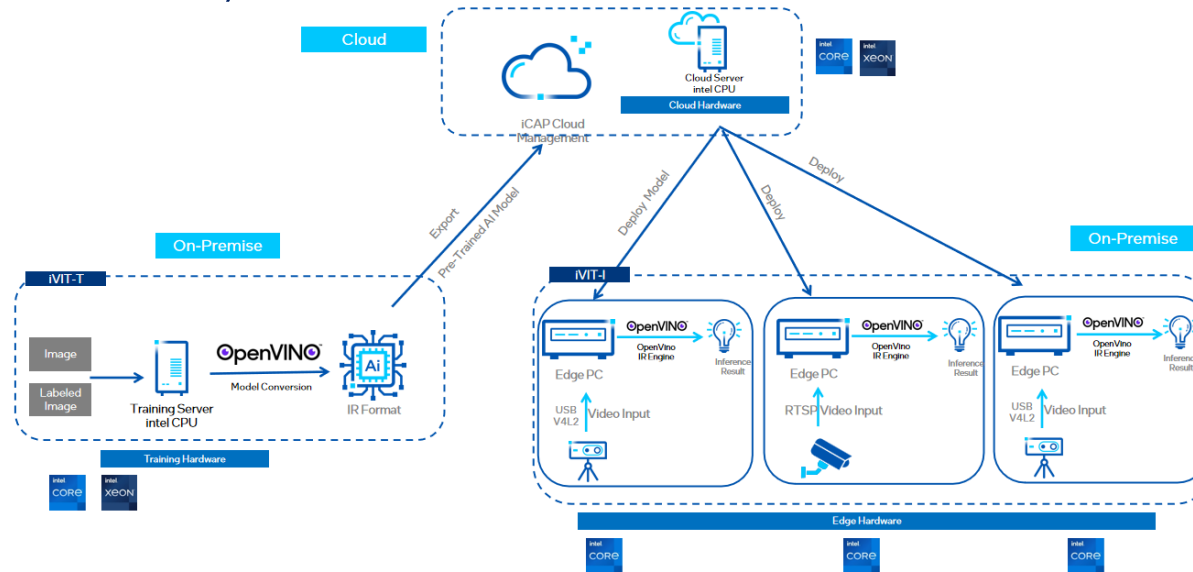
Discover:
- ❏ Easily implement with no-code platform
- ❏ Rapid prototyping to build customize AI model
- ❏ Merge with existing AI vision machines

Pain Points:
- ❏ High entry barrier for computer vision
- ❏ Complex user interface for AI model development
- ❏ Numerous AI models based on various application usage

Scalable Blueprints for Digital Transformation in Industrial Manufacturing

Solution Overview

Modern factory systems face challenges with the growing complexity of transforming cross-factory data into actionable insights. Insight Enterprises addresses this challenge with Scalable Blueprints for Digital Transformation, a holistic solution designed to integrate technology and services for IIoT. By connecting data from all systems across the factory floor and factory locations, customers can gain valuable insights to enable real-time decision making and facilitate predictive maintenance.

Value Props

Enable real-time decision making by leveraging IIoT enabled smart sensors synced with edge technology and alert systems which notify end users of issues as they occur

Monitor remotely with holistic view reporting dashboards that can be accessed from anywhere with a wi-fi connection

Facilitate predictive maintenance with models that allow end-users to repair equipment before it breaks down, minimizing machine downtime
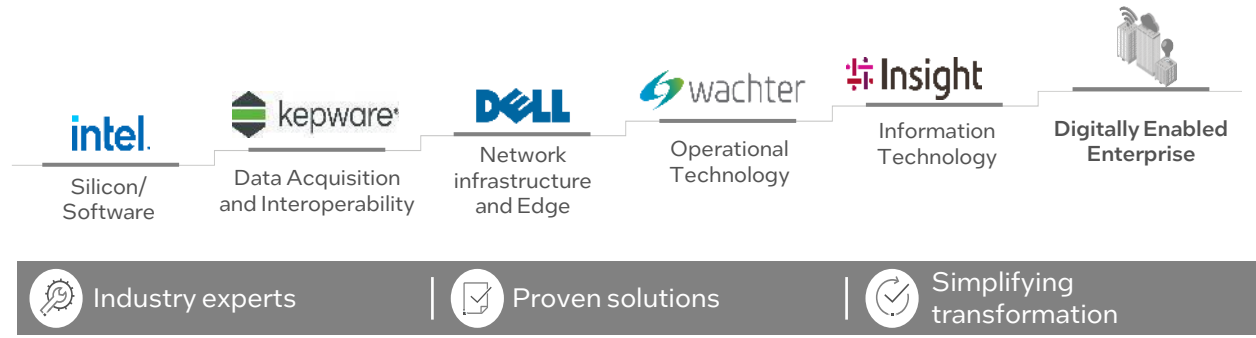
Intel Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel® Xeon® D processors
- Intel® Pentium®
- Intel® Atom® Processors

intel
Silicon/ Software

kepware
Data Acquisition and Interoperability

DELL
Network infrastructure and Edge

wachter
Operational Technology

Insight
Information Technology

Digitally Enabled Enterprise

Industry experts | Proven solutions | Simplifying transformation

Vertical:
Manufacturing

Use Cases:
Asset & Operations Optimization

Geo Availability:
Asia, Pacific, and Japan, Americas, Europe, Middle East, and Africa, People's Republic of China

Sales Contact:
Ben Kovis - ben.kovis@insight.com

Learn More:
- IT Solutions | Business IT Solutions | IT Solutions Company | Insight

IntraEdge and Pyramid Janus

Solution Overview

Janus is an enterprise-level contactless, self-check temperature kiosk that puts privacy first. Powered by an Intel® i5 processor, Janus can quickly scan and provide accurate temperature results within seconds. With privacy as a priority, Janus is also powered by Truyo's Privacy Rights Platform to ensure the privacy of all user data and offers users the ability to access their data with transparency.

Value Props

Leverage a turn-key market ready solution that supports the health and privacy of personnel

Integrate seamlessly with HR systems using an intuitive UI for rapid check-in and speedy entry for employees and customers

Customize installation for any location with ease while meeting ADA requirements

Intel Components

- Intel® Core™ i5 6500TE processors
- Intel® HD-Graphics530

Target Vertical: Retail
Secondary Verticals: Banking/Financial Services; Education; Energy; Gaming & Entertainment; Health & Life Sciences; Hospitality; Manufacturing; Government; Transportation

Target Use Case: Human Wellness Monitoring
Secondary Use Case: Interactive Media

Geo Availability
North America

Learn More
- IntraEdge Website

IntraEdge

PEOPLE ARE THE PLATFORM

IntraEdge Truyo

Solution Overview

A custom built, scalable enterprise solution created to meet and simplify management of the Subject Access Request requirements for GDPR compliance

Value Props

Drive transparency quickly with secure data collection and customizable portals for data access and management

Streamline data management by connecting disparate systems to simplify access and using flexible automation to reduce overhead

Enhance enterprise value with actionable insights using comprehensive data pulled from newly centralized systems

Intel Components

- Intel®-based intelligent gateways, sensors, and software
- Intel® SGX

Data Subject Touch Points
- Physical & Point of Sale
- Website & Digital
- Anywhere...

Show Me My Data Instantly

Change My Data At Scale

Consumer Portal — All Data in One Place

Data Library — Azure, Powered by Intel®

Data Access Requests — Auditable & Automated

Blockchain Ledger — Built on Sawtooth Blockchain

Ingest All Data — Centralized & Automated

Fulfill SARS — Manual & Automated

Company Data Sources
- Multi-Pos
- Analytics
- Ecommerce
- Anything...
- CRMS

Auditable Trusted Source

Truyo is purpose-built to operationalize GDPR compliance by providing a simple but extendible way to automate Data Subject rights and request.

Target Vertical: Retail

Secondary Verticals: Hospitality, Health & Wellness Monitoring

Target Use Case: Asset & Operations Optimization

Geo Availability
Currently available in EMEA and the US. Opportunities in additional regions will be considered

Learn More
- Truyo Website
- Intel Solutions Marketplace

Innodep VURIX

Solution Overview

Innodep's VURIX Video Surveillance Solution is a highly scalable, all-in-one surveillance solution that monitors, records, and manages data in a single system, helping build smarter cities and improve public safety.

Value Props

Increase public safety with multi-channel, real-time monitoring

Scale quickly and reliably with an open platform

Reduce costs and utilize your existing assets with a solution compatible with IoT devices and 3rd party applications

Intel Components

- Intel® Xeon®
- Intel® Core™ i5 and i7
- Network Video Recorder Device
- VMS Software
- IP Matrix device
- SSD
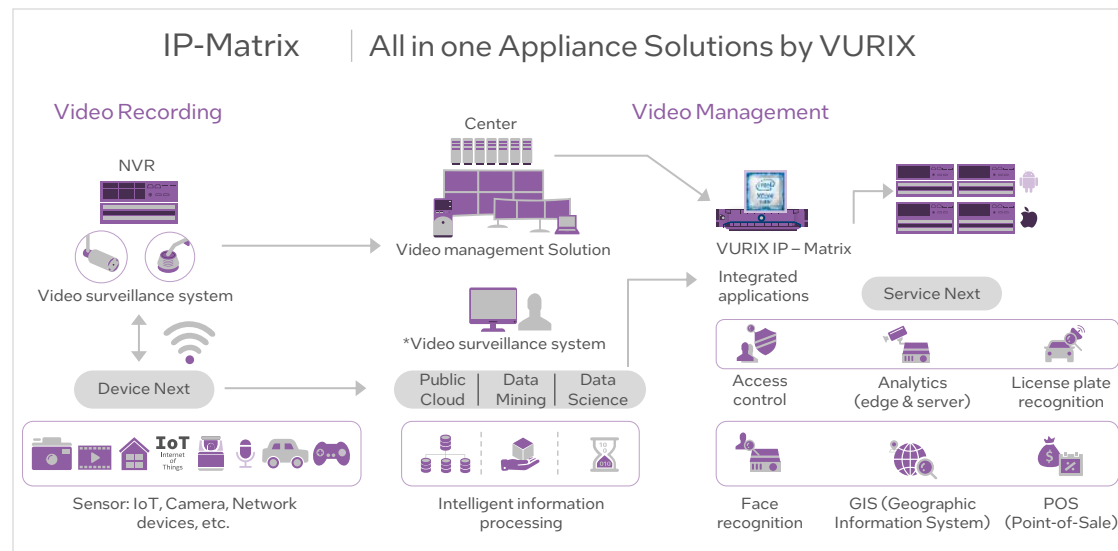
IP-Matrix | All in one Appliance Solutions by VURIX

Video Recording

Video Management

NVR

Center

Video surveillance system

Video management Solution

VURIX IP – Matrix

Device Next

*Video surveillance system

Integrated applications — Service Next

Public Cloud | Data Mining | Data Science

Access control

Analytics (edge & server)

License plate recognition

Sensor: IoT, Camera, Network devices, etc.

Intelligent information processing

Face recognition

GIS (Geographic Information System)

POS (Point-of-Sale)

Target Vertical:
Government

Secondary Verticals: Retail, Banking/Financial Services, Hospitality, Education, Health & Life Sciences,

Target Use Case:
Situational Monitoring

Geo Availability
APJ, Korea, Africa, Europe

Learn More
- Learn more about Innodep solutions on the Innodep website.
- Learn more about Innodep's VURIX solution here.
- An in-person training course is available. For more details, click here.

invenda
intelligent vending solutions

Invenda Interactive Vending and Advertising Platform for Retail and Hospitality

Solution Overview

Invenda transforms traditional vending machines into smart devices, taking full advantage of IoT technologies and Intel processing power. Invenda combines eye-popping digital signage and interactive product displays with smart sensors for remote management while integrating AI for new insights.

Value Props

Increase sales and engagement with eye-catching vending solutions that draws customers with custom tailored offerings

Reduce management and inventory costs through Smart IoT devices with up to 150 sensors ensuring optimum performance

Extend vending technology into a variety of new verticals and open cross-channel opportunities with online, on-demand mobile technology
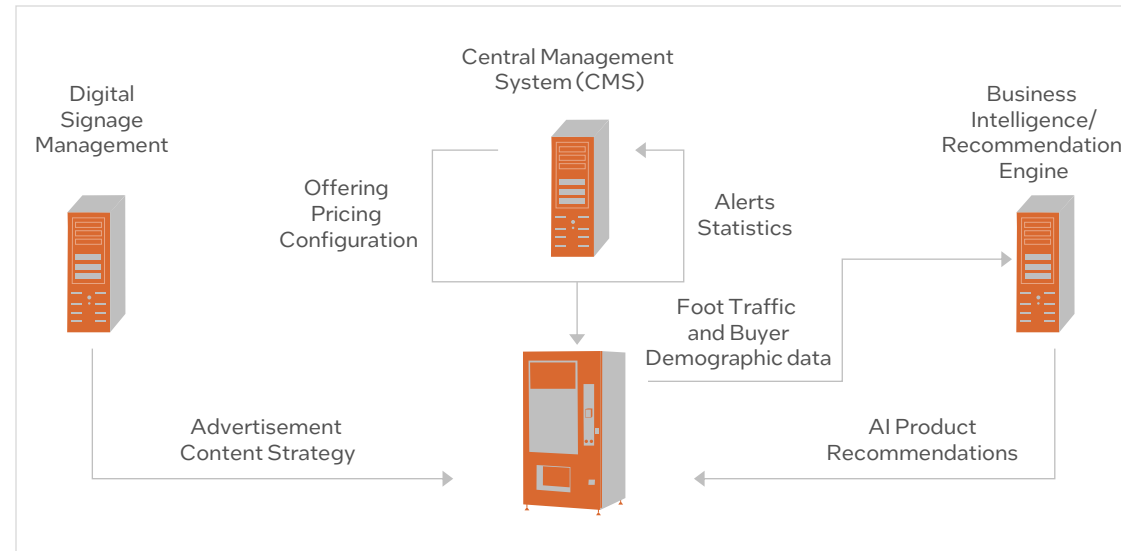
Intel Components

Intel® Celeron

Digital Signage Management

Offering Pricing Configuration

Central Management System (CMS)

Alerts Statistics

Business Intelligence/ Recommendation Engine

Foot Traffic and Buyer Demographic data

Advertisement Content Strategy

AI Product Recommendations

Target Vertical: Retail

Secondary Verticals: Education, Government, Health & Life Sciences, Hospitality, Transportation

Target Use Case: Control Optimization & Autonomy

Secondary Use Cases: Asset & Operations Optimization, Energy Monitoring & Management, Environment Monitoring, Interactive Media, Logistics & Tracking, Machine Condition Monitoring, Product Inspection, Situational Monitoring

Geo Availability

Available in Germany, UK, Europe

Learn More

Invenda Website

iOmniscient Pty Ltd IQ Roads

Solution Overview

This solution is a comprehensive AI-based intelligent traffic management system. The solution works through virtually any camera to capture and analyze live video feeds for fast responses to emergency situations. Data analysis at the Edge supports traffic personnel action that may increase the likelihood of positive outcomes.

Value Props

Increase road safety with traffic monitoring and incident detection

Streamline monitoring processes by viewing events remotely and centrally and accessing archived reporting and historic event data

Increase insight into road conditions with advanced camera diagnostics and data analysis in multiple dimensions

Intel Components

- Intel® Distribution of OpenVINO toolkit™
- Intel® Xeon® Processors
- Intel® Core™ i5 and i7 Processors
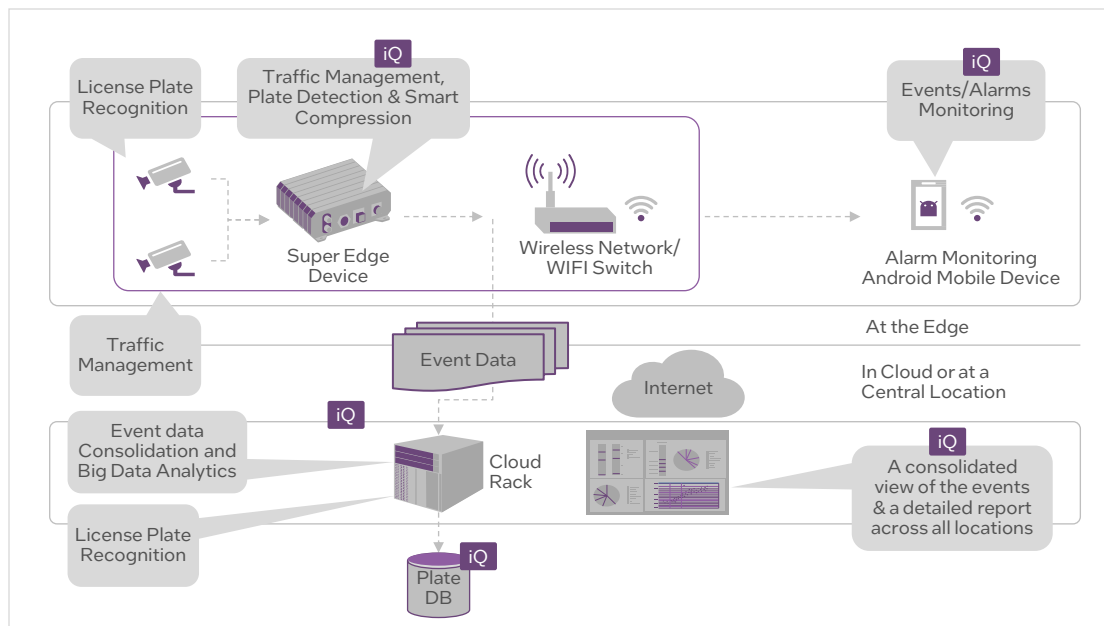
Target Vertical:
Transportation

Secondary Vertical:
Government

Target Use Case: Situational Monitoring

Secondary Use Case: Asset & Control Optimization

Geo Availability
Worldwide

Learn More
- IQ Roads Features
- IQ Roads Speeding Demo
- IQ Roads Red Light Violation and LPR Demo
- iOmniscient Website

Intelligent Security Systems – SecurOS FACEx

Solution Overview

An intelligent image analytics module for the SecurOS video management platform, which provides capture and recognition of faces from a video stream. A class leading solution with active recognition, where the solution can be configured so subjects know their image is being captured or not

Value Props

Automatically detect and recognize faces with a powerful recognition engine

Collect information on detected faces with a databased that stores recognition data

Easily manage video data with a graphical user interface

Intel Components

- Intel® NUC
- Intel® Xeon® Processors
- Intel® Solid State Drivers (SSD)
- Intel® Ethernet Server Adapter 1350
- Intel® Distribution of the OpenVINO™ Toolkit
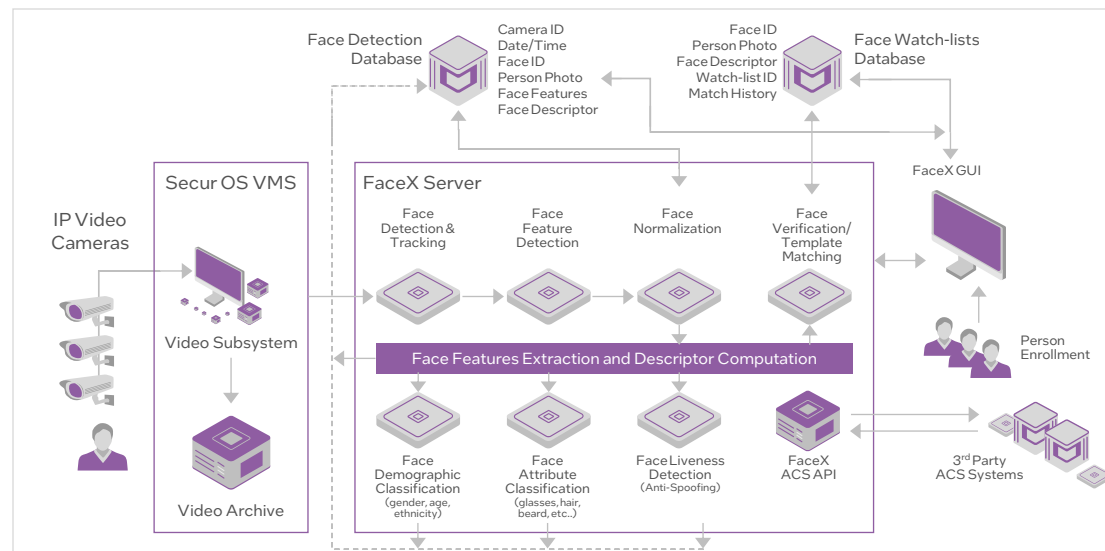
Target Vertical:
Government

Secondary Verticals:
Transportation

Target Use Case:
Situational Monitoring

Secondary Use Case: Asset & Operations Optimization.
Product Inspection

Geo Availability
NAR, LAR, APAC, EMEA, and ROW (Not available in China or India)

Learn More
- ISS Homepage

Power Efficiency & Electrical Safety Management Solution

Solution Overview

The InSynerger Power Efficiency & Electrical Safety Management solution is an energy management platform that provides data analysis and 24/7 equipment and energy monitoring to help reduce costs, improve efficiency, increase utilization productivity, provide abnormal utilization alerts, and implement safer energy consumption practices.

Value Props

Provide easy energy management by remotely tracking and managing the power usage, quality, and stability

Enable high scalability by easily expanding to multiple applications in one platform (e.g. water management, light management, AC management, etc.)

Offer effective power savings by uncovering key factors that contribute to energy waste, helping save up to 10% on annual electricity charges

Intel Components

- Intel® Core™ i7 Processors
- Intel® Celeron® Processors
- Intel® Xeon® Processors

Implementation 1: Energy power monitoring

Cloud Platform   Private Cloud   On-Premises

IoT Gateway

Rail type one-loop power meter

The spec and amount of device depends on the site.

3phase/4Wire one-loop power meter

Power Consumption   Air Condition   Lightning   Socket   Blower   Transformer   Chiller   Power Panel
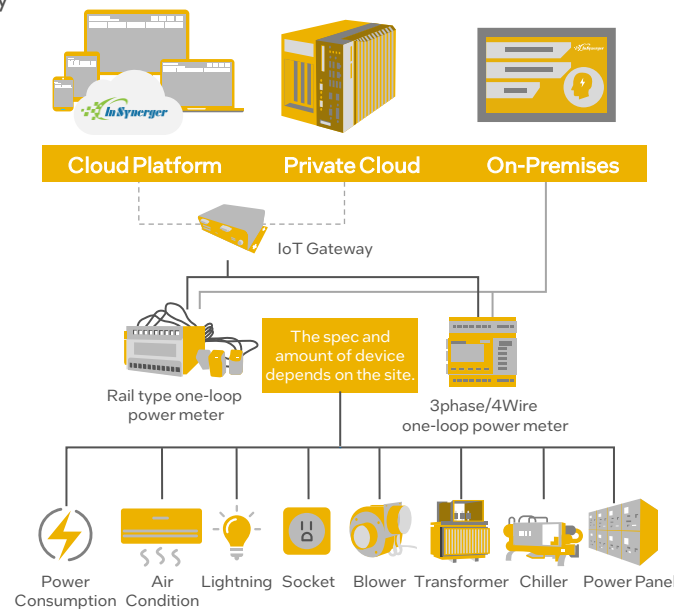
Implementation 2: Electricity power safety

Cloud Platform   Private Cloud

- - - Ethernet
—— RS485

IoT Gateway

Thermal humidity sensor   Wireless temperature monitor   High-Voltage temperature sensor

A   B   D   C

Copper Connection
Breaker Connection
Cable Connection

1 monitor could connect 12 pcs temperature sensors
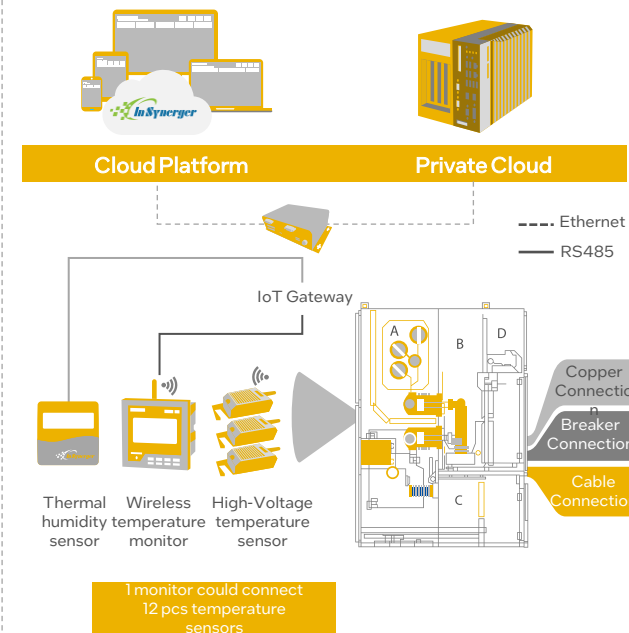
Target Vertical:
Energy

Secondary Verticals:
Education

Target Use Case:
Energy Monitoring & Management

Geo Availability
Taiwan, Vietnam, and Thailand

Learn More
- InSynerger Website
- Contact InSynerger
- PowerManagement
- WPI IoT Solution Aggregator

SPECTO

ISSD Electronics SPECTO™ Incident Detection System

Solution Overview

The ISSD Electronics SPECTO™ Incident Detection System is a vision based, automatic incident detection system that reduces emergency response times by informing operators of potential dangers in tunnels and on highways. Footage captured via CCTV is translated through ISSD technology to improve traffic security and public safety.

Value Props

Accelerate emergency response with visual processing units for quick and dependable detection of incidents

Deploy a cost-effective and sustainable solution with flexibility and scalability

Leverage reliable surveillance with trained SPECTO™ CNN algorithms on ISSD collected datasets to track environments of interest for consistent performance

Intel Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel® Movidius™ Myriad™ VPUs
- Intel® Xeon® Processors

CCTV cameras deployed to a bridge, tunnel, or other high-risk area monitor for roadway incidents or potential hazards.

A centralized server with SPECTO™ software and Intel® Movidius™ Myriad™ X VPUs performs AI vision inference on a 24/7 basis.

If an incident or hazard occurs, SPECTO™ sends an alert to the central traffic management office.

SPECTO also notifies human operators through a simple web-browser UI.

Incident warnings can also be routed to SCADA-connected road signage to alert drivers farther down the road.

1. "SPECTO™ Automated Tunnel Incident Detection System", ISSD Website, 2020

Target Vertical:
Government

Secondary Vertical:
Transportation

Target Use Case:
Control Optimization & Autonomy

Secondary Use Case:
Environment Monitoring

Geo Availability
USA, Middle East, North Africa, and Europe

Learn More
- ISSD Website
- ISSD Specto Automated Tunnel Incident Detection System

JelloX Biotech Inc. MetaLite® Digital Pathology Edge Solution

Solution Overview

Medical imaging analysis and diagnostics is rapidly changing with the advent of new technologies. As such, practitioners and researchers are looking for solutions that provide the most accurate and reliable data. To meet this demand and ensure professionals have the best medical imaging tools at their disposal, JelloX Biotech Inc. has developed MetaLite®, a Picture Archiving and Communications System (PACS), that can be integrated with many Radiology Information Systems (RIS) or Hospital Information Systems (HIS), to provide practitioners with a scalable, user-friendly, AI-enabled imaging and digital pathology platform. Equipped with high-quality scanners and servers, along with the Intel NUC to connect to additional devices, the solution provides actionable insights, and the AI interface allows for customization through the AI-auxiliary annotation function and other programmable protocols.

Value Props

Deploy an affordable low TCO solution that operates without a GPU, and is easily scalable with edge hardware, eliminating many barriers to entry

Enhance patient care and research quality with a system that provides real-time data to help analyze patient conditions, and equip practitioners with the tools necessary to develop timely and preventative insights

Empower pathologists, practitioners, and researchers with tools that minimize guesswork, streamline results, and give experts time back to pursue other tasks such as research or patient care

Kit Components
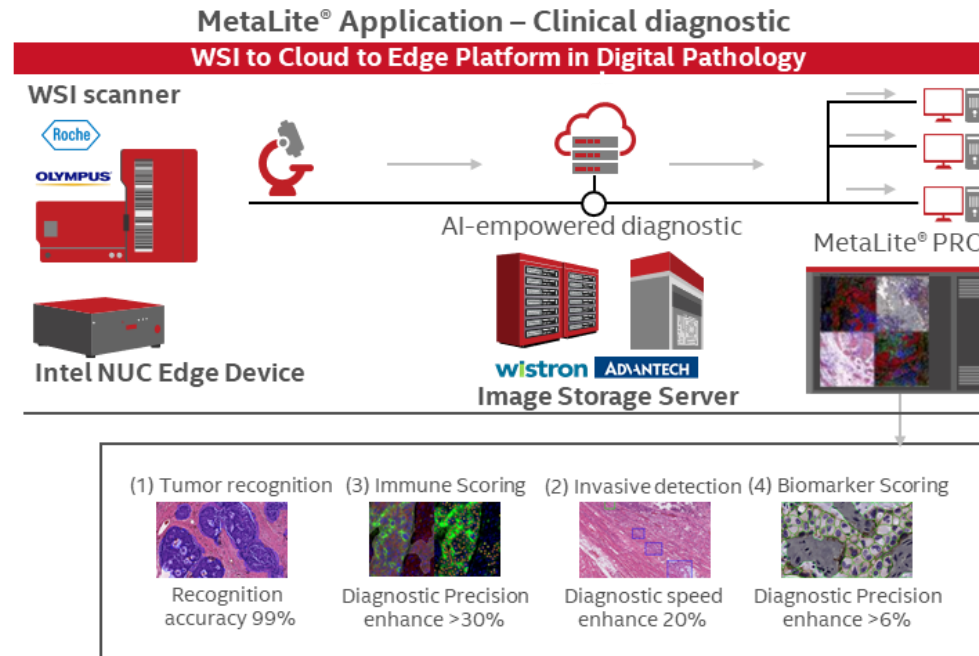
- Intel® Core™ i5 Processors
- Intel® NUC
- Intel® Xeon® Processors

Target Vertical:
Health & Life Sciences

Secondary Vertical:
Education

Target Use Case:
Human Wellness Monitoring

Geo Availability
APJ

Learn More
- MataLite® brief Introduction – YouTube
- HOME | MetaLite® Subscribe

MetaLite® Application – Clinical diagnostic
WSI to Cloud to Edge Platform in Digital Pathology

WSI scanner — AI-empowered diagnostic — MetaLite® PRO
Intel NUC Edge Device — Image Storage Server

(1) Tumor recognition — Recognition accuracy 99%
(3) Immune Scoring — Diagnostic Precision enhance >30%
(2) Invasive detection — Diagnostic speed enhance 20%
(4) Biomarker Scoring — Diagnostic Precision enhance >6%

Jovision Technology Smart Community Solution

Solution Overview

The Jovision Smart Community solution provides efficient, accurate monitoring and management for properties and cities that help increase overall safety and enable seamless experiences via connected devices. The Smart Community solution analyzes and records behaviors, vehicles, events, and the overall environment to better organize and manage a given area.

Value Props

Simplify operations with new connected devices empowered by one platform that empower a variety of capabilities, such as temperature/environment sensors, cameras, automated access, etc.

Create economic opportunities by optimizing security and overall property management systems to reduce costs and enable more energy efficiency

Help increase overall security for citizens, residents, and/or visitors by providing preventative surveillance, potential incident detection, secure access points, and more
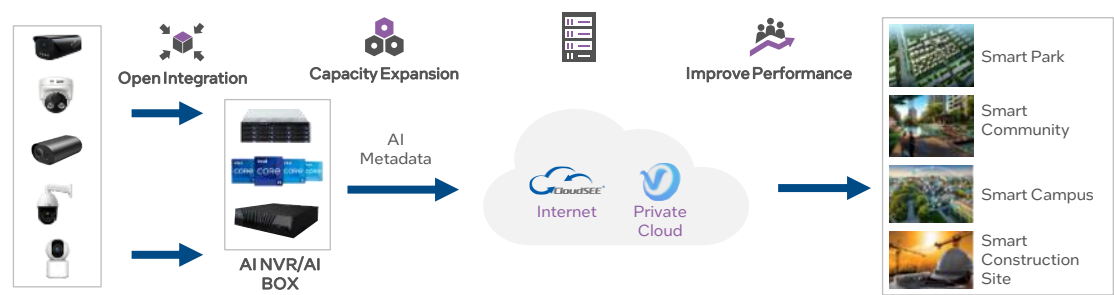
Open Integration   Capacity Expansion   Improve Performance

AI Metadata

AI NVR/AI BOX

CloudSEE Internet   Private Cloud

Smart Park

Smart Community

Smart Campus

Smart Construction Site

Intel Components

- Intel® Celeron® Processors
- Intel® Core™ Processors
- Intel® Core™ i3 Processors
- Intel® Xeon® Processors
- Intel® Iris® Xe graphics
- Intel® Distribution of OpenVINO™ toolkit

Target Vertical:
Government, AI/SI Companies

Secondary Vertical:
Retail, Smart Community Technology

Target Use Case:
Situational Monitoring

Geo Availability
Asia, Pacific, and Japan, Americas, Europe, Middle East and Africa, People's Republic of China

Learn More
Jovision Website

JWIPC iLearn Remote Class Interactive

Solution Overview

The JWIPC iLearn Interactive Remote Class Solution, powered by Intel, meets the demand for high quality, online education with an efficient, flexible, and reliable interactive video solution

Value Props

Enhance classroom experiences with interactive learning environments that improve student outcomes

Expand learning opportunities by empowering learning any time, anywhere and reach more students

Ease administrative burden with simplified solution management that optimizes teaching time

Sensor Suite and
Interactive Whiteboard

OPS-based
Video Master

Intelligent Campus Video
Solution Server System

Cloud Platform
Software

Intel Components

- LG1151 slot Intel® Core™ processor
- Intelligent Campus Video Solution Server System
- Intel® Xeon® E3-E5-based edge server
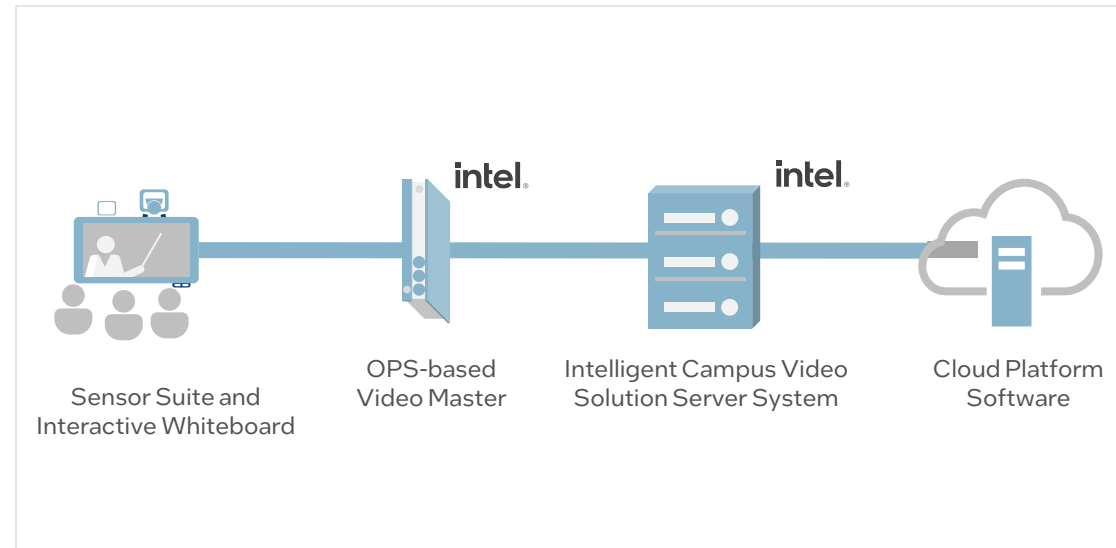
Target Vertical: Education

Target Use Case:
Interactive Media

Geo Availability
China, SE Asia, EMEA, APAC, and the Americas

Learn More
- JWIPC Website
- JWIPC iLearn Remote Class Interactive Solution Webpage

LACHESIS Mhealth 5G Smart Ward Solution

Solution Overview

LACHESIS Mhealth 5G Smart Ward Total Solution, is a Clinical Management Information System (CMIS) that combines 5G, IoT, AI, smart terminals, and information management to provide hospitals with an end-to-cloud suite of mechanical and digital tools to manage a patient's journey from treatment to discharge.

Value Props

Enhance patient care with a system that uses real-time data to monitor an individual's condition, predict changes, and issue early warnings

Optimize staff efficiency through remote and unmanned solutions that synchronize pipelines, reduce workloads, and minimize medical risks

Strengthen medical safety protocols with a range of hardware capable of managing pharmaceutical dispensation, medical supplies, and remote consultations

Intel Components
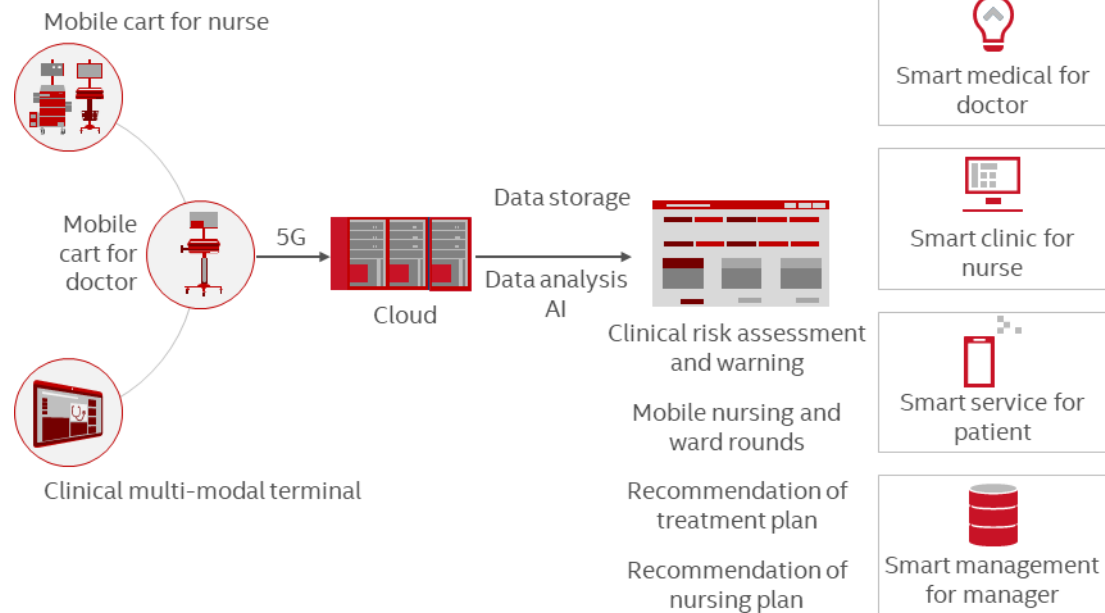
- Intel® Core™ i7 Processors
- Intel® Core™ i5 Processors

Mobile cart for nurse

Mobile cart for doctor

Clinical multi-modal terminal

5G

Cloud

Data storage

Data analysis AI

Clinical risk assessment and warning

Mobile nursing and ward rounds

Recommendation of treatment plan

Recommendation of nursing plan

Smart medical for doctor

Smart clinic for nurse

Smart service for patient

Smart management for manager

Target Vertical:
Health & Life Sciences

Target Use Case:
Human Wellness & Monitoring

Geo Availability
People's Republic of China

Learn More
- Smart Ward Solution
- Smart Ward Interaction Platforms

M3T Retail Kiosk

Solution Overview

A retail kiosk solution designed to enhance the customer experience by providing an in-store terminal to assist in locating items, checking inventory status, purchasing, pick-up/shipping, and completing the transaction.

Value Props

Enhance end user experience with simplified navigation screens and layout

Increase efficiency through advanced cash access processing

Drive revenue through easy-to-access credit card transactions

Intel Components
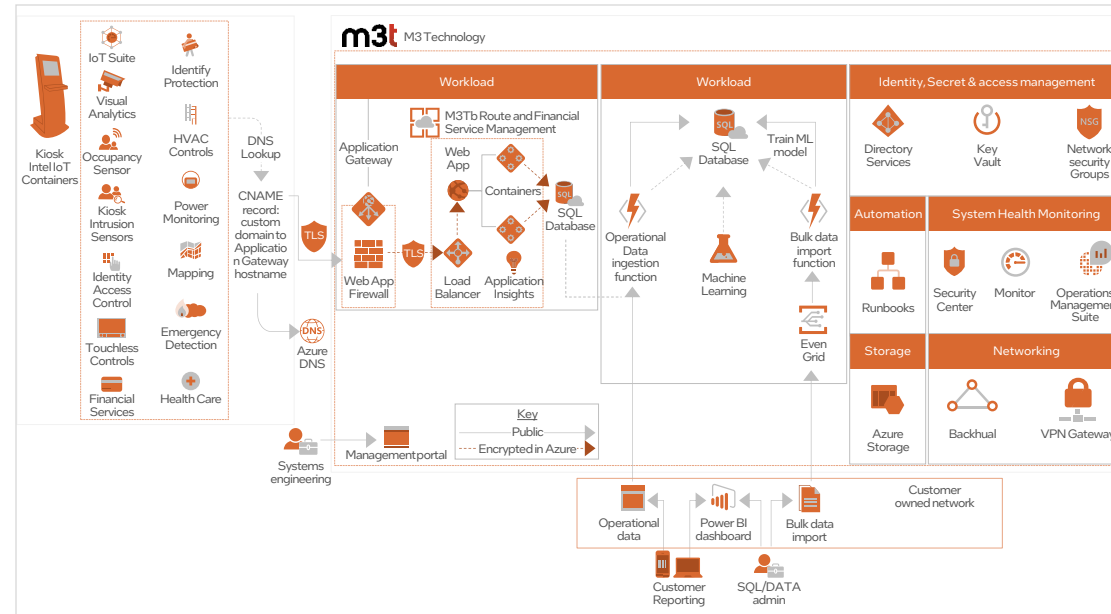
Intel® Core™ i5

Target Vertical: Retail

Secondary Verticals: Banking/Financial Services, Hospitality

Target Use Case: Interactive Media

Secondary Use Case: Logistics & Tracking

Geo Availability

Available in USA

Learn More

▪ M3t Website
▪ M3t Financial Services Website

Memorence AI
We treasure and guard life and memories

Solution Overview

A comprehensive no-code DATA+AI Solution, designed to streamline operations by digitizing and automating manual processes. Our Continuously Learnable AI mechanism empowers your system to adapt and evolve. This ensures that your AI capabilities are constantly improving and keeping up with the changing demands of your organization. By leveraging our no-code solution, you can unlock the power of data and AI without the need for extensive coding expertise. Its user-friendly interface allows you to effortlessly harness the potential of artificial intelligence in your operations.

Value Props

Digital Transformation and Traceability
Streamlines operations, ensuring transparency and compliance through automated digitization and real-time traceability.

Inspection Quality and Efficiency
Enhances precision and saves time with AI-driven automation, maintaining consistent quality across inspections.

Operational Safety
Proactively identifies risks and ensures compliance through continuous monitoring and prompt alerts.

Automated Insights Mining
Automatically extracts actional insights from data, enabling informed decision-making and strategic planning.

Data Confidentiality
Safeguards sensitive information with robust security measures, ensuring compliance and maintaining client trust.

Intel Components

- Intel® Core
- Intel® Xeon
- Intel® Iris
- Intel® OpenVINO

Sales Guidance: Indicators that the Memorence Suite solution may be a good fit.

Assess:
- ☐ Businesses with hands-on product inspection looking to improve processes
- ☐ Companies that require manual picking of products

Discover:
- ☐ Reduce human error
- ☐ Learn continuously for optimal performance
- ☐ Increase efficiency and related cost savings

Pain Points:
- ☐ High percentage of human error
- ☐ Large number of returns due to processing errors or visible defects
- ☐ Lengthy inspection times/process

Memorence Suite Market-Ready Solution
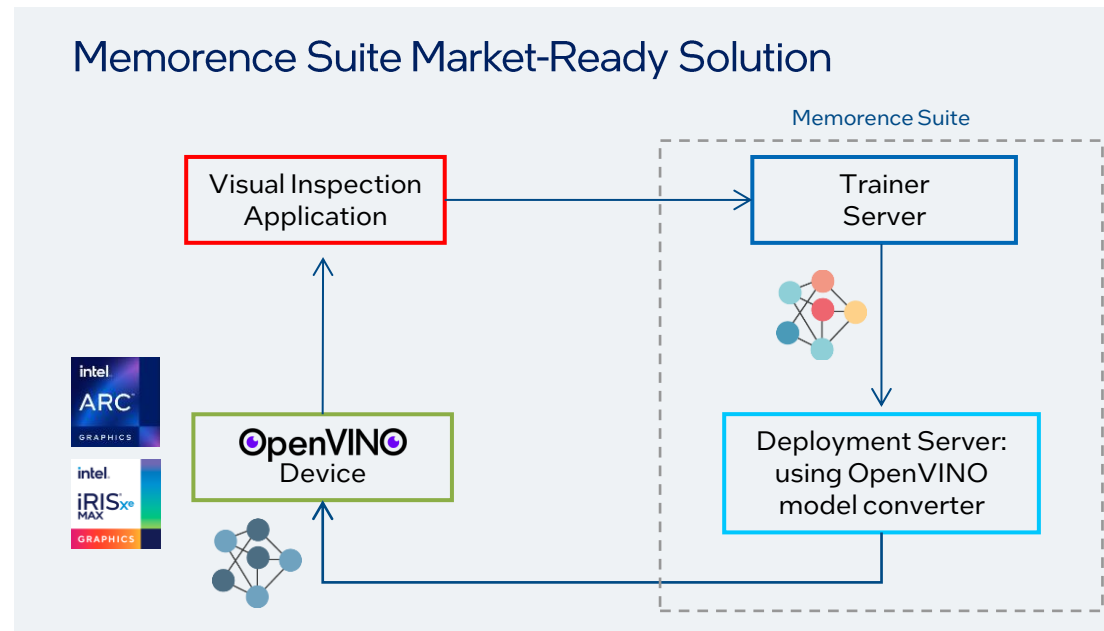
Primary Industry:
Manufacturing

Additional Industries:
Agriculture, Retail, Transportation & Warehousing

Primary Use Case:
Product Inspection

Additional Use Case:
Asset & Operations Optimization, Control Optimization & Autonomy

Geo Availability:
Asia, Pacific and Japan

Solution Sales Contact:
Pai-Heng Hsiao
paiheng.hsiao@memorence.com

Intel Sales Contact:
Brenda Yeap
brenda.yeap@intel.com

Solution Webpage:
www.memorence.com

intel. MARKET READY

Solution Overview

The existing approach to identifying railway defects involves human walkthrough inspections or the use of inspection vehicles at night, making it a labor-intensive task. Furthermore, in metropolitan rapid transit systems, such as the MRT, challenges arise due to weak RFID or GPS signals and the complexity of wiring. This complicates the precise positioning of identified track defects, causing communication challenges for engineering personnel and posing a risk of track misalignment. There is a significant need for automation in the railway inspection industry to diminish the dependence on manual labor.

Value Props

Operational Efficiency: Decreases the number of nighttime inspections required, leading to reduced personnel costs and improved safety for workers.

Increased Inspection Frequency: Automates the inspection process, allowing for more frequent inspections, which reduces the probability of defects being missed.

Minimized Interruptions: Improves inspections, which allows for proactive repairs that reduce overall railway downtime and make better use of resources.

Intel Components

- Intel® Core™
- Intel® OpenVINO™

Primary Industry:
Transportation

Primary Use Case:
Product Inspection

Additional Use Cases:
Situational Monitoring

Geo Availability:
Asia, Pacific and Japan, Americas, Europe, Middle East and Africa

Solution Sales Contact:
sales@meritlilin.us

Intel Sales Contact:
Lawrence Lee
lawrence.lee@intel.com

Solution Webpage:
https://www.meritlilin.com/index.php

Edge AI Camera for Rail Defects Recognition & Mileage Positioning via 5G and Cloud Market Ready Solution

5G to HQ — 5G — Zero - trust — 5G

LILIN HQ — MRT company — MRT driver — 108K + 100 Rail defects OSD display

LILIN PoC — 5G live monitoring — Install 2 sets — MRT + maintenance car

Labeling 360K pictures — Live video — NAV6106AI

Dataset — AI models — NCC, NCS3600 — 6 defects + mileage mark positioning

Dataset collection
AI training & verification
AI model OTA

NVR, NAV16072B (72-ch recorder) — 33K100

1. Rail corrugation detection and
2. Rail hairline surface detection
3. Rail clip broken and missing detections
4. Insulated Rail Joints IRJ snapshots
5. Rail turnouts and track switches detection
6. Rail steel pad broken and crack detection

Copyright © LILIN

Sales Guidance: Indicators that the Edge AI Camera for Rail Defects Recognition & Mileage Positioning via 5G and Cloud solution may be a good fit.

Assess:
- ❑ Railways wanting to reduce labor costs
- ❑ Railways looking to increase the frequency of nighttime inspections
- ❑ Railways wanting to improve the efficiency of inspections

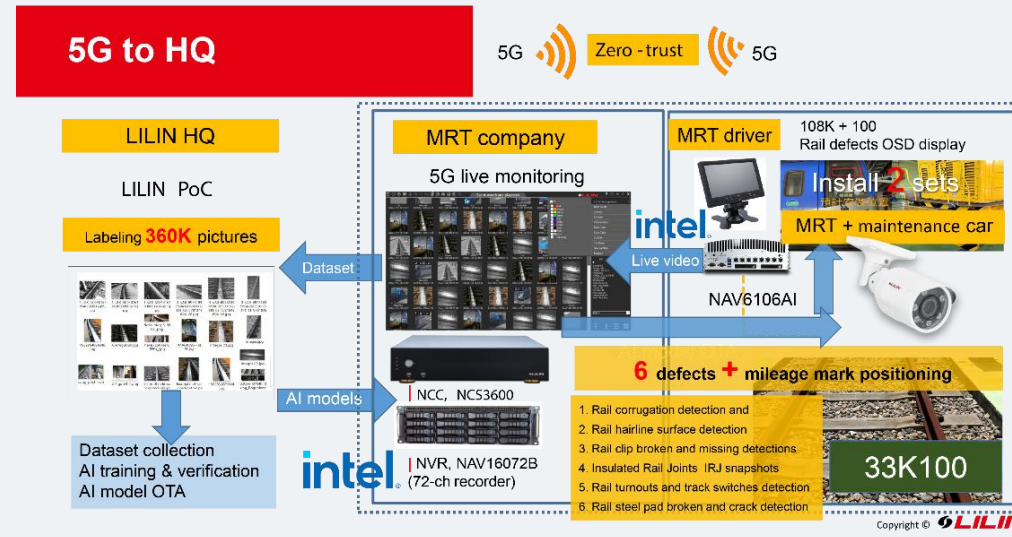**Discover:**
- ❑ Reduce human error
- ❑ Improve efficiency
- ❑ Perform inspections more frequently

Pain Points:
- ❑ High labor costs
- ❑ Unreliable GPS signals
- ❑ Low defect detection efficiency/large number of missed defects

intel MARKET READY

MIC's Sickbay™ Platform

Solution Overview

Sickbay is an FDA-cleared Clinical Platform enabling data driven medicine. The platform continuously captures time-series waveform data from any medical device as well as other system data and transforms that data into web-based clinical apps to enable virtual care and the development and deployment of real-time AI so care teams can make better, faster decisions.

Value Props

Improve patient care by enabling flexible, vendor neutral remote monitoring across all service lines

Increase operational efficiency by displaying real-time and unlimited historical, second by second, waveform data across devices in a single view

Streamline transitions of care through access to full resolution full disclosure data

Get ahead of deterioration and risk by developing and deploying real-time, patient centric AI back into clinical care

Intel Components

- Sick bay platform and web-based apps
- PowerEdge® FX and Rack Servers
- Intel® Xeon® Processors
- Solid State Drives
- BigDL
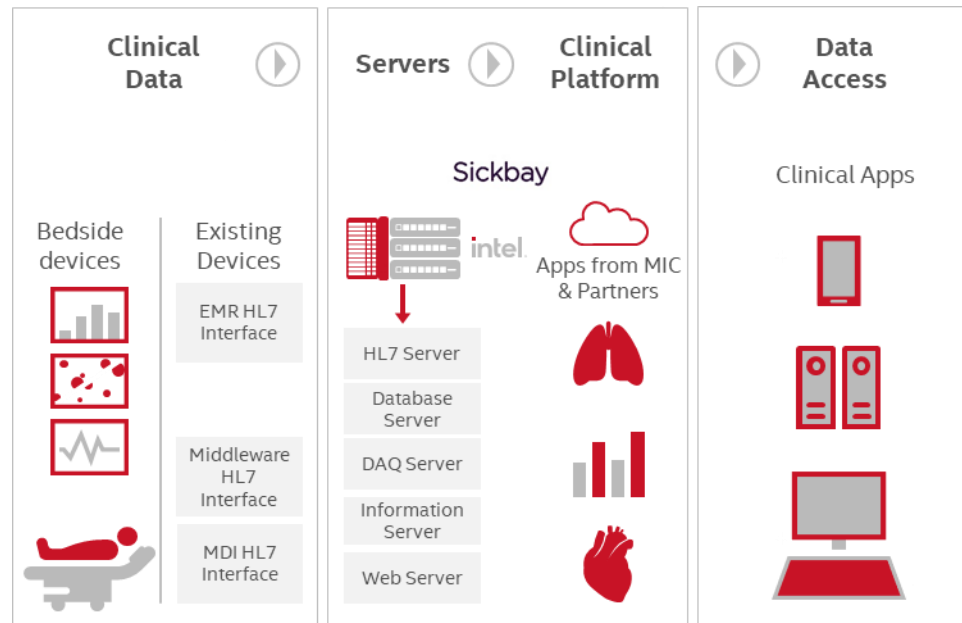
Clinical Data — Bedside devices, Existing Devices (EMR HL7 Interface, Middleware HL7 Interface, MDI HL7 Interface)

Servers — **Clinical Platform** — Sickbay (HL7 Server, Database Server, DAQ Server, Information Server, Web Server), Apps from MIC & Partners

Data Access — Clinical Apps

Target Vertical:
Health & Life Sciences

Target Use Case:
Human Wellness Monitoring

Geo Availability
United States

Learn More
- Houston Methodist vICU video
- Houston Methodist CIO, Ken Letkeman, discussing expanding virtual care into other service line
- Healthcare Data Matters webinar replays and video clips
- MIC home page
- UAB Medicine Video

MiTAC Machine Vision in Factory Automation

Solution Overview

Today's manufacturing facilities are consistently adopting Industry 4.0 machines that can intelligently communicate with each other and perform complex tasks with a collective goal to help carry out safer, faster, and more reliable assembly processes. MiTAC's Machine Vision application integrates embedded computing systems and smart management systems together, utilizing existing cameras for product inspection. This consolidation of systems enable manufacturers to perform inspection processes with enhanced precision and speed. Additionally, the solution helps supervisors remain vigilant of quality control by collecting real-time visual data for analysis on a centralized user interface. The solution's AI Machine Vision software, INFINITY, offers immense flexibility and caters to a wide range of inspection use cases—such as barcode reading, color inspection, and label inspection.

Value Props

Reduce deployment expenses with a drag-and-drop software visual tool to simplify the deployment for each filed case you own; Plug-and-play hardware modular I/O to ease any connectivity trouble in different filed applications.

Increase production output with the integration of vison software algorithms that help manufacturers inspect products for specific characteristics automatically, and with a high level of accuracy

Help ensure a continuous flow of operations by collecting real-time visual data of assets for management and analysis to reduce excess material waste and energy usage with precise quality control in the assembly process

Intel Components

- Intel® Core™ i7 Processors
- Intel® Core™ i5 Processors
- Intel® Core™ i3 Processors
- Intel® Xeon® D Processor

Cloud Data Center

PoE

MS-04PPoE-210

Camera
Camera

Light
Light
Ba

AOI
Light
Control
Buttons

MS-48CDN-DT10
- Com plus 8-bit DIO Card

Sevo Motor

Motion Card

INFINITY AOI Software Tool

Vision Solution

Robot Solution

Embedded Solution
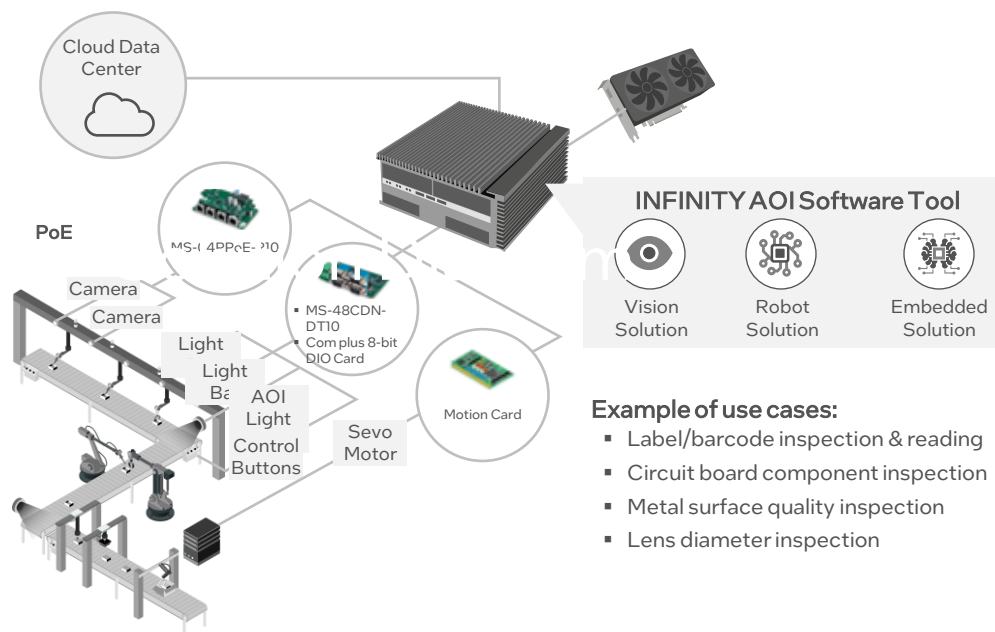
Example of use cases:
- Label/barcode inspection & reading
- Circuit board component inspection
- Metal surface quality inspection
- Lens diameter inspection

Target Vertical:
Manufacturing

Secondary Verticals:
Retail, Transportation and Warehousing

Target Use Case:
Product Inspection

Additional Use Cases:
Control Optimization & Autonomy, Product Inspection

Geo Availability
APJ, Americas, Europe, Middle East, and Africa

Learn More
- MiTAC Factory Automation Homepage
- Machine Vision White Paper
- Machine Vision - YouTube Video

intel®

MITIS Health Lossless Remote Radiology & Pathology Home Reporting

Solution Overview

MITIS Health Lossless Remote Radiology and Pathology Home Reporting solution allows clinicians to remotely and securely access information about their patients from hospital without the need to move ANY patient data. The solution enables access of all current and previous scan and patient information from PACS/RIS servers to endpoints thousands of miles away, with zero degradation of image quality.

Value Props

Optimize information management with easy to access streaming of hospital desktops and all required applications including PACS/RIS without compromising quality, speed, or security

Improve work efficiency by 20-25%[1] achieved without the need to transfer medical data, such as large high-quality DICOM datasets which are streamed across vast distances

Improve patient experiences and provide better quality of care at a swifter pace by decreasing time needed for accurate imaging interpretation

Intel Components

- Intel® vPro® Platform
- Intel® Xeon® Processors
- Intel® Server GPU
- Intel® X550 Dual Port 10GbE Base-T Adapter
- Intel® NUC

1. Internal Assessment – MITIS Health

Query/ Retrieve Full Prior Images and Reports — Sent Voice Dictated Report Back to Hospital RIS — Encrypted VDI Session Pixel Data
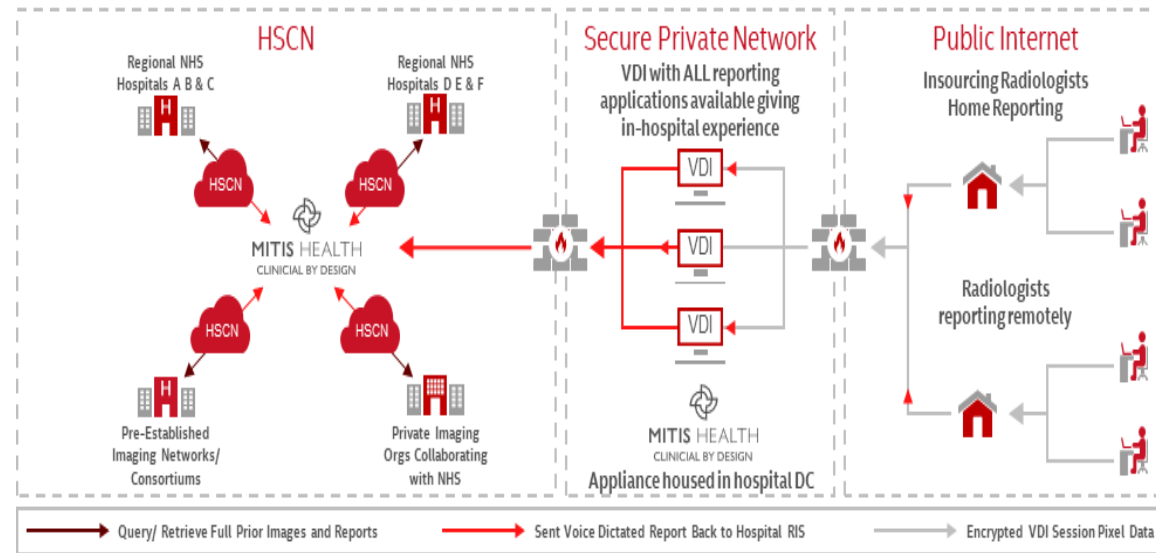
Target Vertical:
Health and Life Sciences

Secondary Vertical:
Energy

Target Use Case:
Human Wellness Monitoring

Geo Availability
Americas, Europe, Middle East, and Africa

Learn More
- MITIS Health Website
- What is the MITIS Health Solution?
- MITIS VDI – Clinical Virtual Desktops

MIRASYS
DEEP VISION DATA COMPANY

Women Safety Solution

Solution Overview

The Mirasys Women Safety Solution is an artificial intelligence-based video analytics solution that addresses crime-related incidents targeting women by enabling critical analyses of safety for women in public spaces, campuses, etc. The system uses advanced analytics of security footage that captures and classifies images based on gender to better understand how to protect women from incidents in public areas. The system can monitor women who are traveling alone or near a potential threat and/or weapon. Key features include intruder detection, people counting, panic alarms, audio monitoring, system thinking, and video analytics that serve to optimize security operations for businesses and organizations.

Value Props

Reduce crime-related incidents against women with 24/7 automated alerts for weapons, women traveling alone, and other vulnerabilities and threats.

Scale quickly and easily with fully-integrated solution that aligns with current camera systems

Provide Real-time Incident Reporting & Action through gesture recognition pre-incident identification, which trigger alerts to security teams thus reducing incident action response time and SOP management
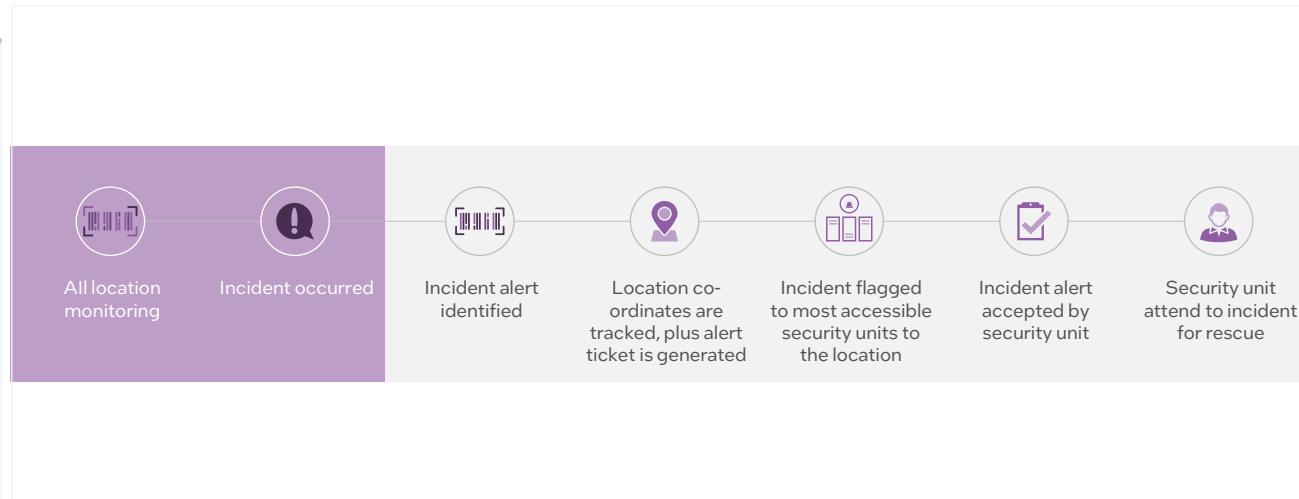
| All location monitoring | Incident occurred | Incident alert identified | Location co-ordinates are tracked, plus alert ticket is generated | Incident flagged to most accessible security units to the location | Incident alert accepted by security unit | Security unit attend to incident for rescue |

Kit Components

- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Core™ Processors
- Intel® Xeon® Silver Processors
- Intel® Xeon® Gold Processors
- Intel® Vision Accelerator Design With Intel® Movidius™ VPU

Target Vertical:
Government

Secondary Vertical:
Banking/Financial Services; Education; Energy; Health & Life Sciences; Hospitality; Manufacturing; Retail; Transportation, Public Safety

Target Use Case:
Situational Monitoring

Geo Availability
India; Brazil; Canada; Mexico; United States; Other Americas; Australia/New Zealand; Japan; South Korea; People's Republic of China; Taiwan; Germany; Israel; Middle East, North Africa and Turkey; Russia; Sub-Saharan Africa; United Kingdom

Learn More
- www.Mirasysindia.com

Nanjing Mythware Information Technology
Mythware Smart Classroom

Solution Overview

The solution makes Internet of Everything a reality by combining classroom management software and CLASSHUB, an all-in-one wireless presentation product, to support various applications in the smart classroom for connection, presentation, and collaboration purposes.

Value Props

Enable smart classrooms by integrating intelligent hardware and software with existing classroom equipment

Streamline classroom management with a media service platform that supports local and remote operations

Enhance teaching effectiveness by generating insights from high quality local application data, remote statistics data, and more

Intel Components

- Intel® Celeron® processors
- Intel® Core™ i3 processors

Classroom

Display

Terminals

CLASSHUB

Server

Resources Management Platform

Media Service Platform

Classroom A

Classroom B

Hosting Classroom

Server

Internet/ LAN

Classroom C

Classroom D
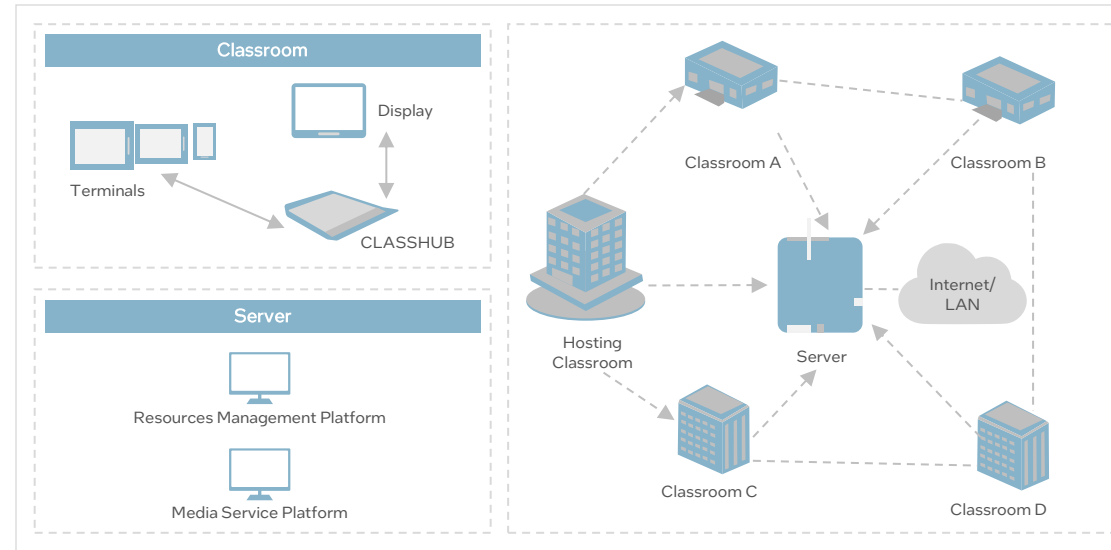
Target Vertical: Education

Secondary Verticals: Government; Health & Life Sciences

Target Use Case: Interactive Media

Geo Availability

Russia, Sub-Saharan Africa, and People's Republic of China

Learn More

- Solution Webpage
- Nanjing Mythware Information Technology Website
- Contact Information

NCR Emerald Retail Point of Sale Platform

Solution Overview

The NCR solution is an all-in-one POS system that allows users to centrally configure, manage, and control all edge points in real-time for a seamless customer experience and business efficiency. It provides central reporting and analytic capabilities to enable enterprise-wide views for better and faster decision-making that gives retailers a competitive edge.

Value Props

Accelerate deployment with out-of-the-box integrations to enable retailers to leverage existing IT investments for fast and convenient NCR POS upgrades

Enhance customer journeys with a cloud-enabled POS infrastructure that allows retailers to easily add new business services, like digital commerce and coupons

Increase operational efficiency with a POS and enterprise system that includes secure payment gateways and inventory management for cost-savings

Intel Components
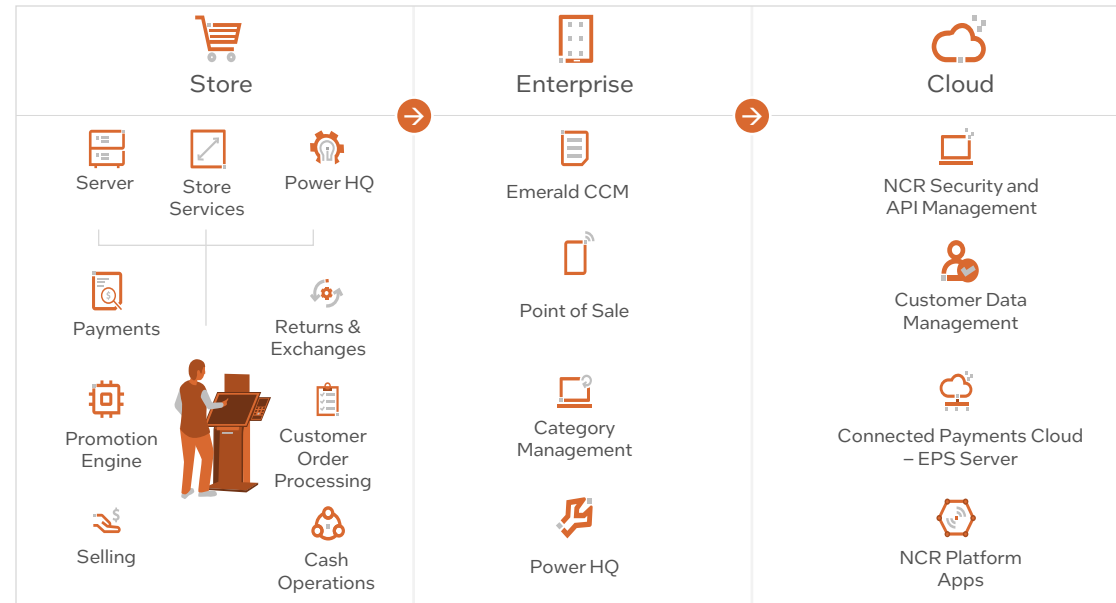
Intel® Core i3 and i5 processors

Target Vertical: Retail

Target Use Case: Asset & Operations Optimization

Secondary Use Case: Interactive Media

Geo Availability
Available in the United States and Canada.

Learn More
- NCR Website
- NCR Emerald

Store
- Server
- Store Services
- Power HQ
- Payments
- Returns & Exchanges
- Promotion Engine
- Customer Order Processing
- Selling
- Cash Operations

Enterprise
- Emerald CCM
- Point of Sale
- Category Management
- Power HQ

Cloud
- NCR Security and API Management
- Customer Data Management
- Connected Payments Cloud – EPS Server
- NCR Platform Apps

NCR FastLane SelfServ Checkout

Solution Overview

The NCR FastLane SelfServ Checkout solution enhances customer shopping experiences. Businesses can take advantage of new ways to scan, bag, and pay for items while helping improve front-end efficiencies. The solution helps self-checkout transactions become more accurate and simpler to navigate.

Value Props

- Enhance customer journeys with smart self-service technologies with familiar digital interfaces

- Improve operational efficiency with computer vision and weight-based algorithms to accurately identify products

- Increase ROI with convenient, interactive self-checkout units that reduce operational costs

Intel Components

- Intel® Core™ i3 processors
- Intel® Core™ i5 processors
- Intel® Celeron® processors

Diagram labels:
- LED Tri-Light with Security Camera (optional)
- NCR XR7 + POS
- 15"Projected Capacitive, Multi-Touch Display
- NCR 7895 Imaging Scanner/Scale
- Operator camera
- Speakers
- Recycling Bulk Coin Input
- Payment Device
- Configurable Bag Racks
- Recycling Coin Output/Reject
- Security Scale
- Note Recycler Input
- Receipt Printer
- Note Recycler Output
- Coupon Bin
- uNav Keypad Device
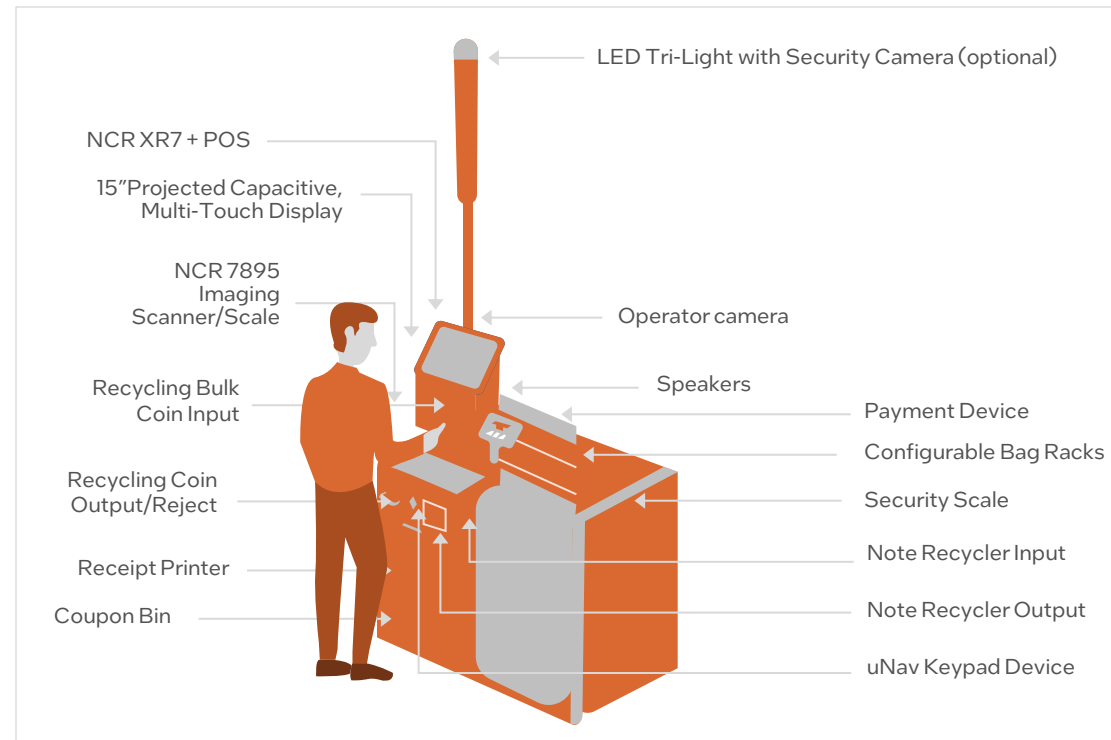
Target Vertical: Retail

Target Use Case: Other
Secondary Use Case:
Interactive Media

Geo Availability
Available in Canada, Mexico, United States, Australia/New Zealand, Japan, South Korea, Taiwan, Germany, Israel, Middle East, North Africa and Turkey, Russia, Sub-Saharan Africa, United Kingdom, Other Americas

Learn More
- NCR website
- NCR FastLane SelfServ Checkout
- Greer's Market – Customer Case Study

NEC SDM Integrated ECO-System

■ Solution Overview

The SHARP NEC SDM Large Slot-in PC is configured for demanding digital signage applications in sheltered transportation and retail environments. The SDM Large Slot-in PC is also optimized for office applications, such as video conferencing, interactive whiteboards and can gather and manage data through multiple sensors, ports, networks and analytics suites.

■ Value Props

Connects a wide range of display and installed assets with an integrated multiport system designed to accommodate ethernet, USB, HDMI, MiniDP++, RFID, 1/8 auxiliary and coaxial connections

Enables seamless content delivery with a high-powered display solution ranging 4 – 32GB of RAM, 64 – 1024GB storage, and a dedicated graphics processor

Provides a diverse range of actionable insights and controls through a system designed to process and analyze large quantities of device and usage data

■ Kit Components

- Intel® Core™ i3 Processors
- Intel® Core™ i5 Processors
- Intel® Celeron® Processors
- Intel® UHD Graphics Controller

NEC Large Format Display SDM Integrated ECO-System

Large Format Display
Supporting Intel SDM Form-Factor Computing Device as Edge appliance

Crowd Behavior Analysis · AI · Cloud · Huddly cam · Analytics & AI · Intel CPU · SDM computing for applications · API · Analytics & Interactivity Service f.e. ALP · NEC RFID reader · Keyboard · RFID tag · Cloud Platform Asset management · The Internet · 5G network · Cloud · Network, 5G, IoT Integration · Server rack
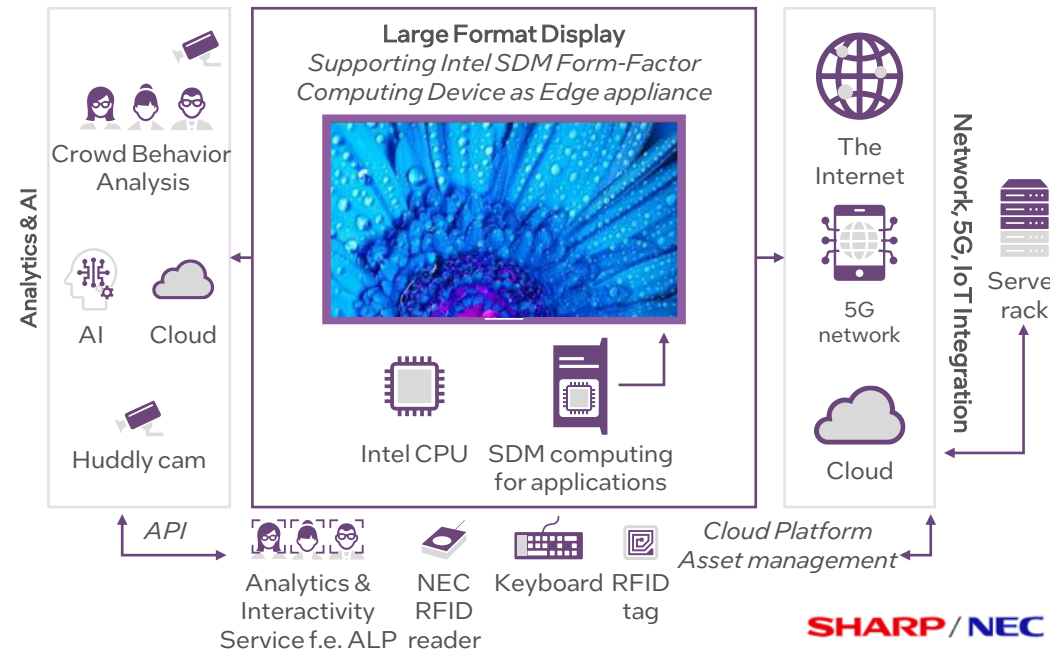
Target Vertical: Government, Transportation

Secondary Vertical: Retail, Signage, Corporate

Target Use Case: Control Optimization & Autonomy, Embedded Computing within Signage applications

Secondary Use Cases: Interactive Media, Asset & Operations Optimization

Geo Availability Asia, Pacific, and Japan, Americas, Europe, Middle East and Africa, PRC

Learn More
- Digital Signage - Sharp NEC Display Solutions
- Meetings & Conferences - Sharp NEC Display Solutions

Solution Overview

Introducing a smart, versatile Autonomous Mobile Robot for delivery. NexAIoT has been supporting corporations in the hospitality and manufacturing industries to operate unmanned AMR powered by Intel® Core™ i7 processors, Intel® RealSense™ cameras, and Intel® Distribution of OpenVINO™ toolkit, which has built-in smart IoT systems to integrate with hotel and manufacturing infrastructure to enable seamless end-to-end operation.
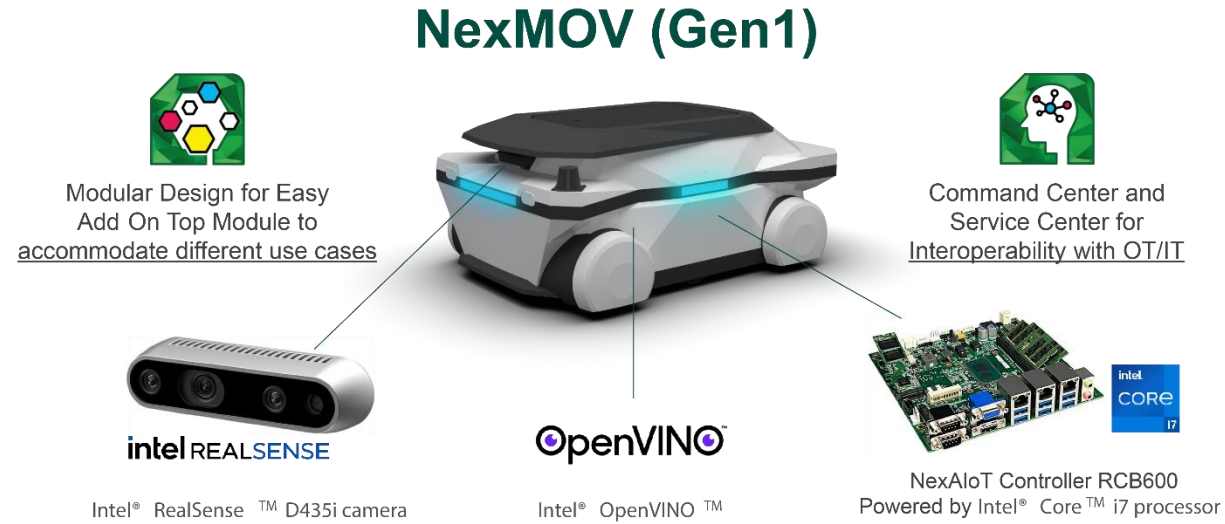
Value Props

Modular design for easy add-on top module.

Small form factor with high payload (200 kg).

Intelligent auto-docking wireless charging.

Command center and service center for interoperability with OT/IT.

Intel Components

- Intel® Core™
- Intel® RealSense™ Technologies
- Intel® OpenVINO™

Sales Guidance: Indicators that the NexMOV solution may be a good fit.

Assess:
- ❑ Hotels looking to improve their customer experience
- ❑ Hotels wanting to transition to being unmanned or reduce staffing costs
- ❑ Manufacturers/warehouses interested in automating their storage processes

Discover:
- ❑ Integrate with current AI applications
- ❑ Proactively prevent accidents with environmental sensing and object detection
- ❑ Enhance user experience with intuitive systems

Pain Points:
- ❑ Staffing shortages
- ❑ Poor user experience
- ❑ Inefficient processes

NexMOV Market Ready Solution

NexMOV (Gen1)

Modular Design for Easy Add On Top Module to accommodate different use cases

Command Center and Service Center for Interoperability with OT/IT

Intel® RealSense™ D435i camera

Intel® OpenVINO™

NexAIoT Controller RCB600
Powered by Intel® Core™ i7 processor

Primary Industry:
Hospitality and Restaurants

Additional Industries:
Manufacturing, Transportation and Warehousing

Primary Use Case:
Asset & Operations Optimization

Additional Use Cases:
Control Optimization & Autonomy, Logistics & Tracking

Geo Availability:
Global

Solution Sales Contact:
contact@nexaiot.com

Intel Sales Contact:
Ashley Hsiao
ashley.hsiao@intel.com

Solution Webpage:
https://www.nexaiot.com/en/video/NexMOV

Solution Overview

The NIFE 210 is an intelligent fanless PC-based controller and IoT gateway for factory automation. The NIFE 210 supports up to 32GB DDR4 memory and has several options for storage devices for applications requiring storage redundancy and capacity expansion. The NIFE 210 features all-front I/O for easy installation and maintenance and has high integration ability with 3 LAN ports, 2 isolated COM ports, and optional M.2 and mini-PCIe modules. This allows for reliable connection with devices in factory automation applications, IoT applications, and communication applications. It features onboard TPM 2.0 for enhanced security and is compliant with EN61000-6-2 and EN61000-6-4. It supports DIN-rail mounting, has a 24V DC power input with +/-20% range and reverse polarity protection, and can be operated in an extended operating temperature range of -10-~60 °C. This makes it ideal for the next generation of M2M intelligent systems, serving as both a factory automation controller and a gateway.

Value Props

Bringing computing, control, and communication to industrial automation involves leveraging advanced technologies to enhance the EFFICIENCY, RELIABILITY, and FLEXIBILITY of industrial processes.

Computing
Processes data locally on devices near the source.

Control
Controls and monitor industrial equipment.

Communications
Enables exchange of data between various components.

Intel Components

- Intel® Celeron®
- Intel® Ethernet Controllers

NIFE 210 Factory Automation Fanless System With Fieldbus Expansion Ability Market Ready Solution

Primary Industry:
Manufacturing

Primary Use Case:
Control Optimization & Autonomy

Additional Use Cases:
Machine Condition Monitoring, Product Inspection

Geo Availability:
Global

Solution Sales Contact:
annake@nexaiot.com

Intel Sales Contact:
Ashley Hsiao
ashley.hsiao@intel.com

Solution Webpage:
https://www.nexcom.com/Products/iot-automation-solutions/pc-based-factory-automation/industrial-fieldbus-computer/industrial-fieldbus-computer-nife-210-e01

Sales Guidance: Indicators that the NIFE 210 factory automation fanless system with fieldbus expansion ability solution may be a good fit.

Assess:
❑ Manufacturers wanting the security of a short-term power backup
❑ Manufacturers wanting to standardize product quality/production
❑ Manufacturers looking for ways to reduce resource usage/costs
❑ Manufacturers focusing on green initiatives

Discover:
❑ Easily maintain system
❑ Protect data with power backup module
❑ Install quickly with versatile mounting methods

Pain Points:
❑ Unstable power supply
❑ High energy consumption
❑ Excess waste

Back to Health &
Life Sciences
Solutions

Back to Product
Inspection Use
Cases

Novarad Imaging Suite: Enterprise Imaging Management System, AR Surgical Guidance, and Image Sharing

Solution Overview

Using Intel-based medical imaging technology with AI and AR, Novarad Imaging Suite helps hospitals and imaging centers improve accuracy of diagnoses, manage patient health, and increase efficiency for diagnostic care and treatment.

Value Props

Increase patient safety. Improve accuracy of diagnoses by bringing together all images, including photos and videos, with Enterprise Imaging technology. VisAr's surgical augmented reality provides 3D renderings of radiology images overlaid onto patients' bodies, increasing the safety of, or avoiding unnecessary surgical procedures.

Reduce operational costs. With Enterprise Imaging, Novarad streamlines practices around patient data to reduce manual labor by removing gaps from workflow and identifying ways to aggregate all relevant patient data. Use of the NCompass single archive eliminates the need for IT to manage multiple storage platforms.

Enhance patient experience. Easily show patients all information relevant to their case, creating unique moments where education, care, and treatment intersect. With CryptoChart image sharing, patients are empowered in their care with easier access to their images via QR codes and a universal viewing interface.
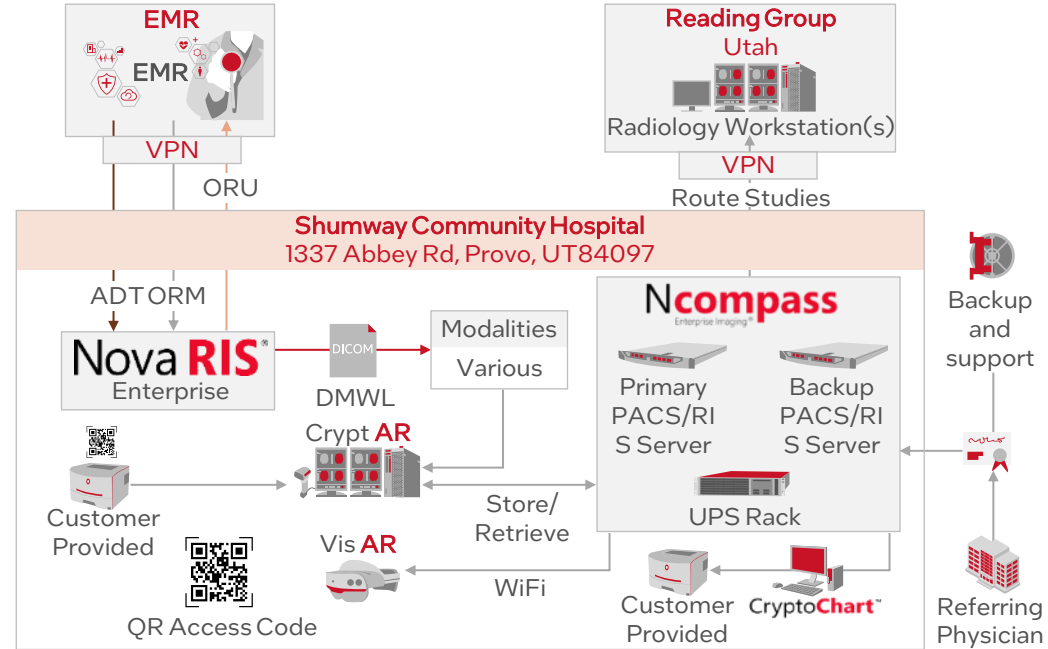
Target Vertical:
Health & Life Sciences

Target Use Case:
Product Inspection

Geo Availability
Global

Learn More
- The Novarad Website
- Opensight Augmented Reality Surgery
- CryptoChart CD-free Image Sharing

EMR

EMR

VPN

ORU

Reading Group
Utah

Radiology Workstation(s)

VPN

Route Studies

Shumway Community Hospital
1337 Abbey Rd, Provo, UT84097

ADT ORM

Nova RIS
Enterprise

DICOM

DMWL

Modalities
Various

Crypt AR

Customer
Provided

Vis AR

Store/
Retrieve

WiFi

QR Access Code

Ncompass
Enterprise Imaging

Primary
PACS/RIS Server

Backup
PACS/RIS Server

UPS Rack

Customer
Provided

CryptoChart

Backup
and
support

Referring
Physician

Intel Components

- Intel® Xeon® Processors
- Intel® Solid State Drives
- Intel® Core™ i5 Processors

NTT System System Blue Bolt

Solution Overview

In the real estate market, building owners and operators need to streamline their services for tenants and guests who desire seamless and connected experiences. Building operators are also looking to increase security and efficiency while reducing their operating costs. NTT System's Blue Bolt solution enables touchless interactions with traditional building systems via mobile app, offering end users more convenience across facilities and optimizing building access services, parking management, room booking, and more. In addition, building managers can easily deploy and manage a low-touch solution that augments building security and helps reduce their carbon footprint.

Value Props

Create more seamless user experiences with a single app featuring diverse applications like managing building access, booking meeting rooms, renting parking spaces, and more

Help strengthen building security with a cloud-based platform that manages access via mobile permissions and helps reduce risks associated with stolen access cards and unverified people on premises

Implement with legacy building systems easily through a highly compatible software platform that supports robust third-party integrations and has minimal physical installation requirements

Intel Components

- Intel® Core™ Processors
- Intel® Xeon® Processors
- Intel® NUC Kits
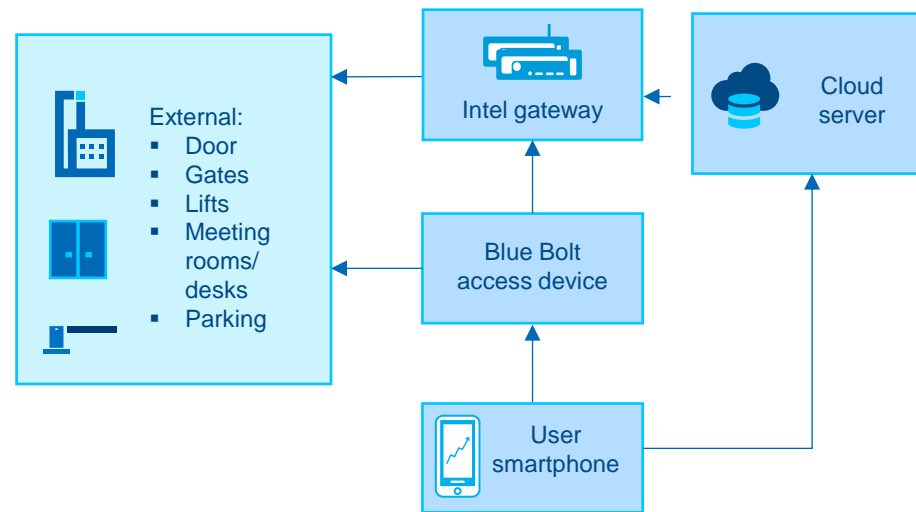
External:
- Door
- Gates
- Lifts
- Meeting rooms/desks
- Parking

Intel gateway

Cloud server

Blue Bolt access device

User smartphone

Target Vertical:
Hospitality

Target Use Case:
Asset & Operations Optimization

Geo Availability
Europe, Middle East, Africa

Learn More
Blue Bolt Website

Olea Kiosks Inc. Healthcare Check-in Kiosk

Solution Overview

The Olea Healthcare Check-in Kiosk provides an easy-to-use digital interface that streamlines check-in processes, improves the patient experience, and alleviates pressure on healthcare staff. The self-service kiosk enables patients to complete check-in tasks electronically and automates administrative tasks so staff can devote more time to delivering exceptional patient care.

Value Props

Increase efficiency and reduce errors by enabling patients to quickly and accurately enter their own information without waiting on staff for assistance

Lower operational costs by streamlining the collection of patient data and helping optimize arrival times and staff timing

Reduce patient wait times with self-service kiosks that automate check-in tasks so fewer patients spend time in waiting areas

Intel Components
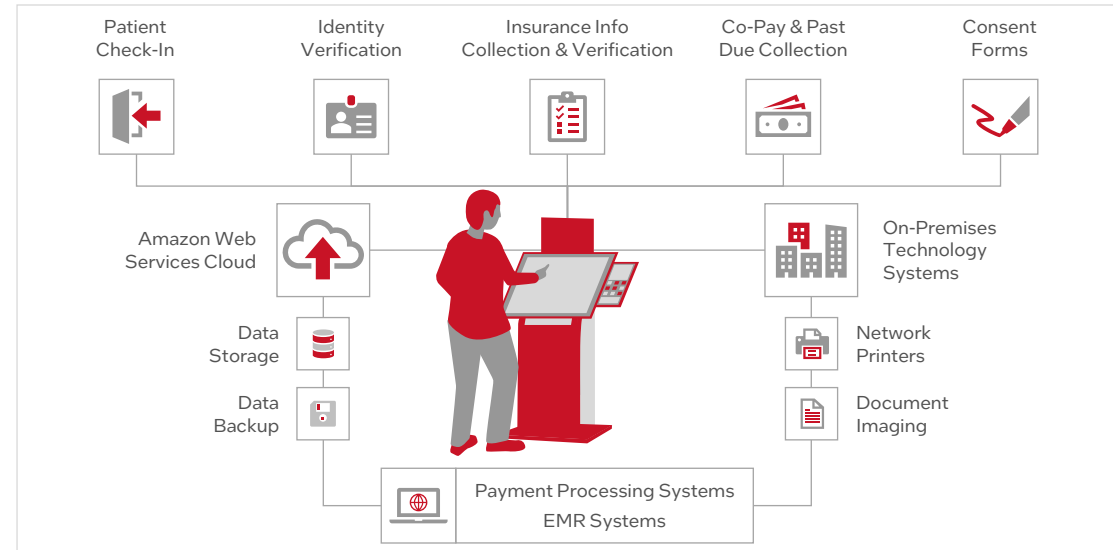
Intel® Core™ i5 processors

Patient Check-In · Identity Verification · Insurance Info Collection & Verification · Co-Pay & Past Due Collection · Consent Forms

Amazon Web Services Cloud · Data Storage · Data Backup · Payment Processing Systems · EMR Systems · On-Premises Technology Systems · Network Printers · Document Imaging

Target Vertical: Health & Life Sciences

Target Use Case: Interactive Media

Geo Availability
US and Canada with opportunities to deploy globally for larger volume deals (dependent on shipping costs, customer needs, and software partner)

Learn More
- Olea Kiosks Inc. Website
- Healthcare Check-in Kiosk Brochure

Olea Kiosks Inc.
Ticketing and Booking Kiosks

Solution Overview

The Olea Kiosk is designed to help businesses increase profitability and optimize foot-traffic management using a customized system to meet a business' specific needs. By increasing transaction speed and providing engaging interactive functionalities, these kiosks can quickly generate revenue and augment customer experiences.

Value Props

Reduce operating costs by deploying a solution that automates repetitive tasks like order taking and payment processing allowing staff to focus on higher valued tasks

Improve guest experiences by providing a contactless solution that expedites the transaction process through intuitive applications so guests spend less time waiting in lines to get service

Generate key data insights for decision-makers by tracking consumer behaviors such as interaction time, selection preferences, and total spend

Kit Components

- Intel® Core™ i5 Processors
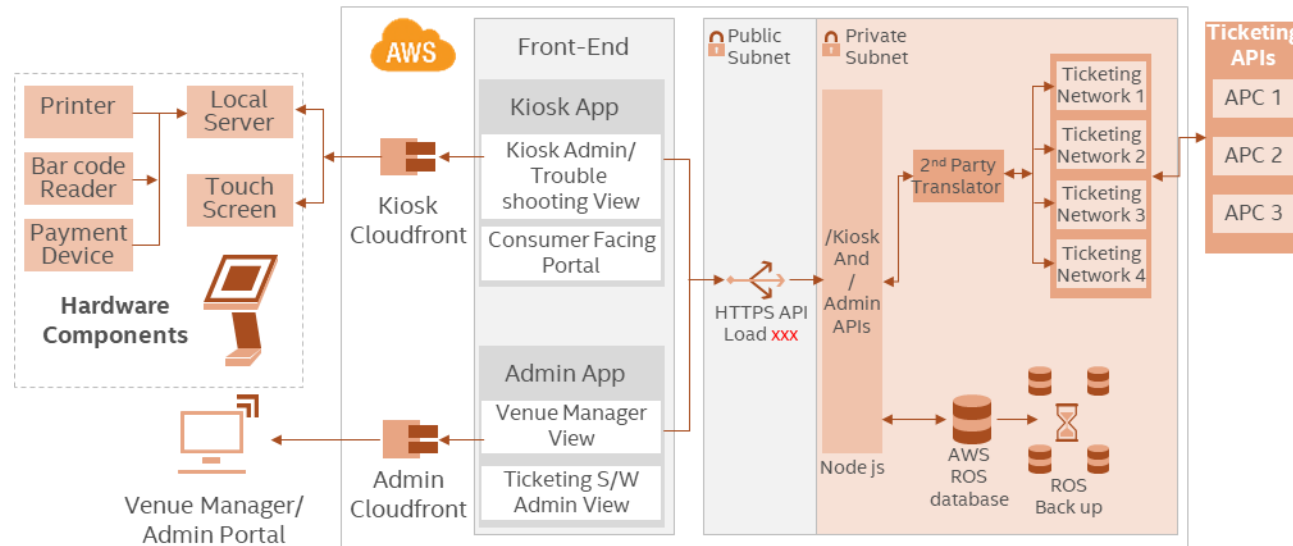
Target Vertical:
Other

Secondary Vertical:
Hospitality, Retail, Transportation

Target Use Case:
Interactive Media

Geo Availability
Canada; Mexico; USA; Other Americas; AUS/NZ; India; Japan; South Korea; PRC; ROC; Germany; Israel; Middle East, North Africa; Turkey; Russia; Sub-Saharan Africa; UK

Learn More
- Olea Kiosk Manufacturer
- Ticketing Kiosk for Movie Theaters & Theme Parks by Olea Kiosks, Inc

Ombori Apps AB
Grid Compute Device

Solution Overview

The Ombori Grid Compute Device powers digital experiences in physical spaces by bridging cognitive services, IoT, digital screens, and mobile devices. Ombori offers out-of-the-box solutions that can be deployed to devices with a single click, and enables partners and internal resources to build and manage their own interactive solutions.

Value Props

Enhance Customer Experience with a seamless in-store experience, and by leveraging shopper behavior analytics to best anticipate and respond to consumers

Help improve safety through automated store capacity and shopper distancing controls

Increase sales through intuitive and easy-to-use entry procedures and curbside pickup processes

Intel Components

- Intel® Core™ i3 processors
- Intel® NUC
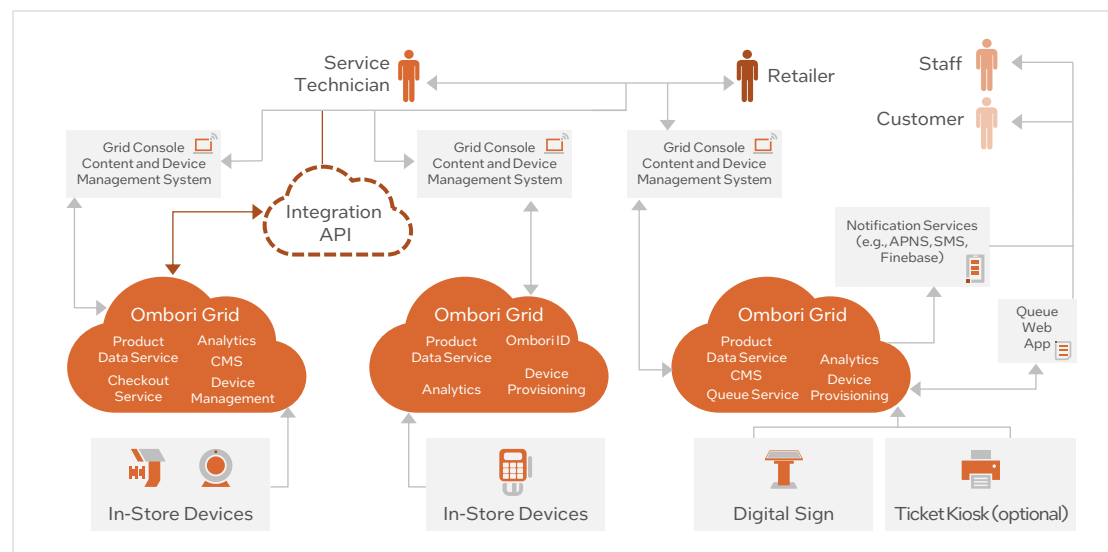
Target Vertical: Retail
Secondary Verticals: Banking/Financial Services, Health & Life Sciences, Hospitality, Government

Target Use Case: Interactive Media
Secondary Use Cases: Asset and Operations Optimization, Control Optimization and Autonomy

Geo Availability Available Globally

Learn More
- Ombori - Intel® Solutions Marketplace
- Ombori case studies
- Ombori case videos
- Ombori blog

OmniHub All-in-One Parcel Locker & Self Service Solutions

Solution Overview

Retailers face challenges in optimizing operational efficiency and customer satisfaction due to evolving customer expectations. The OmniHub by OMNIC addresses these concerns by offering a centralized solution for various services, including parcel delivery, logistics, and customer interactions. OmniHub's modular design allows for customization to meet specific business needs with an all-in-one self-service point to enhance operational efficiency with real-time insights through an intuitive dashboard, providing increased revenue opportunities.

Value Props

Enhance end-customer experiences by providing secure, convenient access to a variety of services in one location

Reduce operational costs with a self-service solution that minimizes costs associated with manual processes

Improve efficiency by accessing real-time, actionable insights into business operations through an intuitive dashboard

Intel Components

- Intel® Core™ i5 Processors
- Intel® RealSense ™
- Intel® Distribution of OpenVINO™ toolkit
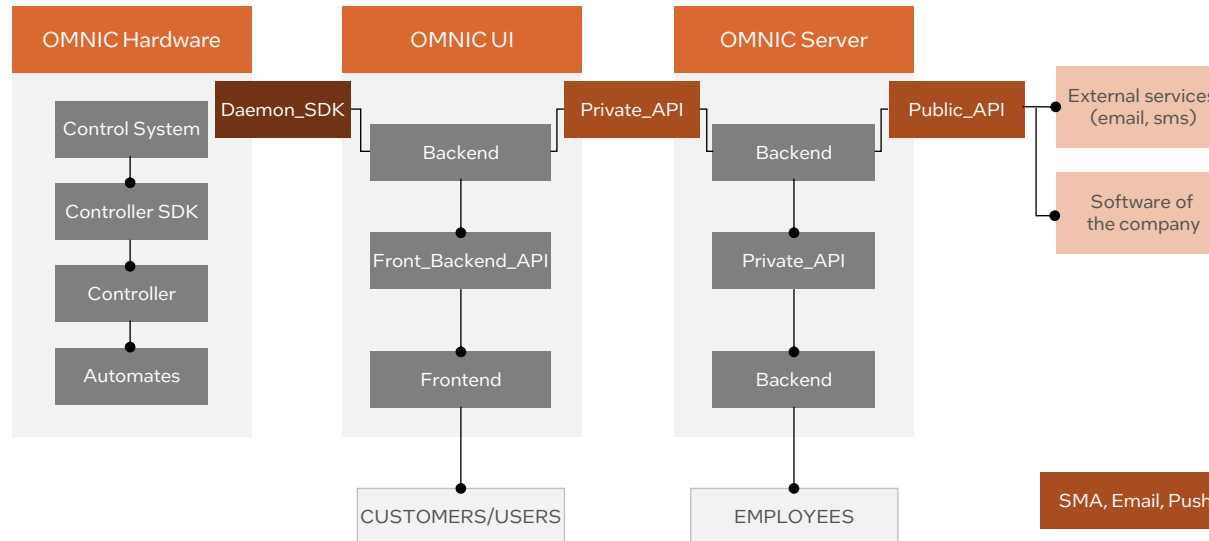
Vertical:

Retail

Use Case:

Asset & Operations Optimization

Geo Availability:

Americas, Europe, Middle East, and Africa

Sales Contact:

team@theomnic.com

Solution Webpage:

- OMNIC – OmniHub

Learn More:

- OMNIC - Software

Onesait Active Grid Management Suite

Solution Overview

A novel IoT platform that combines an open architecture with state-of-the-art analytics to effectively monitor and manage the energy grid

Value Props

Reduce costs by optimizing asset monitoring and management across the grid

Improve grid reliability through a robust open architecture and early warning reports

Enable new use cases with grid interoperability, scalability, and analytics-driven insights

Intel Components

- Intel Atom® E3800 and Intel® HD Graphics
- Intel® Xeon® Processor Scalable Family-based 3rd Party Cloud
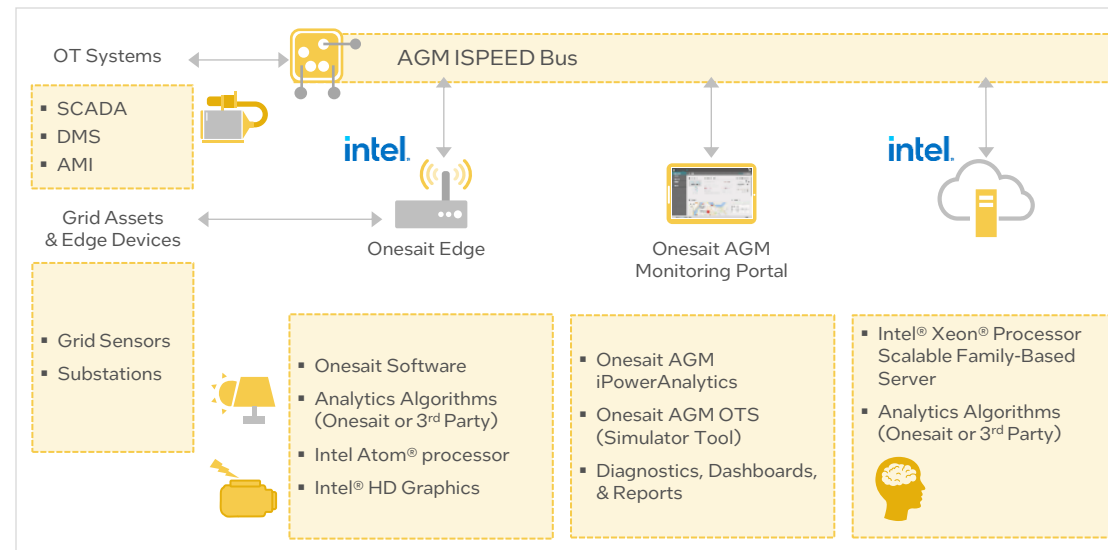
OT Systems

- SCADA
- DMS
- AMI

Grid Assets & Edge Devices

- Grid Sensors
- Substations

AGM ISPEED Bus

Onesait Edge

- Onesait Software
- Analytics Algorithms (Onesait or 3rd Party)
- Intel Atom® processor
- Intel® HD Graphics

Onesait AGM Monitoring Portal

- Onesait AGM iPowerAnalytics
- Onesait AGM OTS (Simulator Tool)
- Diagnostics, Dashboards, & Reports

- Intel® Xeon® Processor Scalable Family-Based Server
- Analytics Algorithms (Onesait or 3rd Party)

Target Vertical: Energy
Secondary Verticals: Retail Banking/Financial Services, Hospitality, Education

Target Use Case: Energy Monitoring & Management
Secondary Use Cases: Machine Condition Monitoring, Asset & Operations Optimization Environment

Geo Availability
Worldwide with a focus on Latin America, Philippines, Europe (esp. Germany), USA, Australia, New Zealand, some countries in Africa

Learn More
- Onesait Active Grid overview
- Onesait Grid AGM overview
- For more about Intel in Smart Grid Energy, see Intel in Energy

OnLogic Singlewire InformaCast Fusion Server

Solution Overview

A cloud-based emergency notification system that delivers a leading software solution for fast and reliable emergency notifications. The InformaCast Fusion Server helps reach the right people, with the right information, to enhance awareness, safety, and security

Value Props

Reach everyone by sending critical notifications to multiple communication devices

Monitor effectiveness of notifications through a variety of real-time tools

Generate emergency alerts via both personnel triggers and automatic triggers

Intel Components
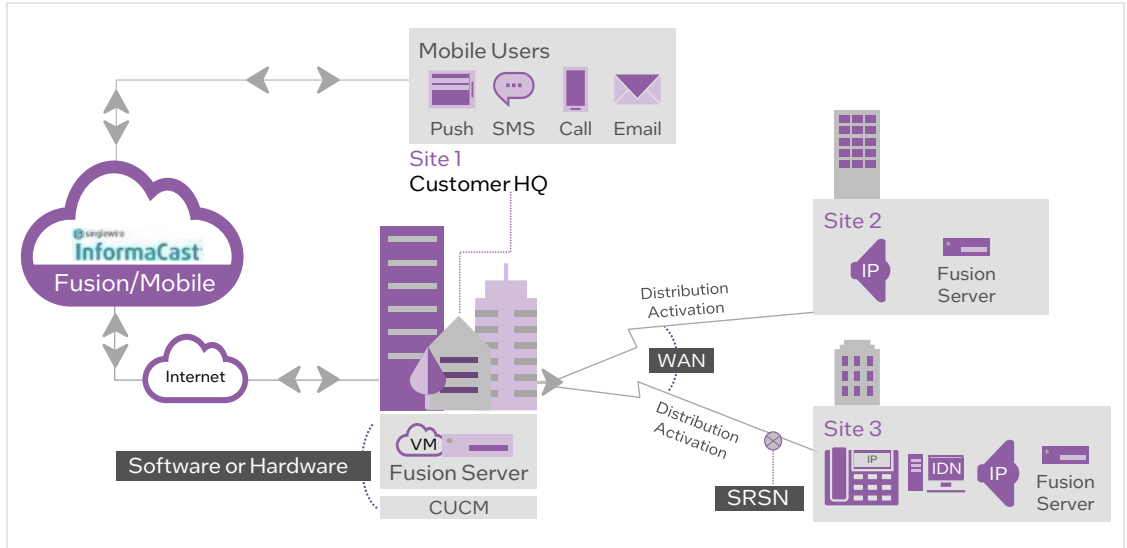
- Intel® Celeron® processors
- Intel® Pentium® processors

Target Vertical: Government
Secondary Verticals: Retail, Banking/Financial Services, Hospitality, Education, Health & Life Sciences, Transportation

Target Use Case: Logistics & Tracking
Secondary Use Case: Situational Monitoring, Environment Monitoring

Geo Availability
US, EMEA, APAC, India, Australia

Learn More
For more information visit the InformaCast website at: www.singlewire.com/informacast
For quotes and ordering assistance visit the Singlewire contact page: www.singlewire.com/contact-us

Onyx Intelligent Healthcare Interoperability Platform (iHIP)

Solution Overview

The Onyx Intelligent Healthcare Interoperability Platform (Onyx iHIP) enables ability to discover and develop network computing platforms that contribute to the healthcare IoT and facilitate the adoption of AIoT. Onyx iHIP enables seamless information transfer to healthcare workers, identifies at-risk patients for timely intervention, offers continuous monitoring for improved patient recovery, and tracks biometric trends to assist with clinical decision making.

Value Props

Reduce hospital readmission by improving patient visibility via patient monitoring and automatic risk alerts

Improve patient health outcomes through flexible communication between patients and healthcare professionals

Streamline healthcare professional workloads by integrating remote monitoring that allows a single technician to keep track of multiple patients

Intel Components

- Intel® Core™ i5 processors
- Intel® Celeron® processors
- Intel Atom® processors
- Intel® Xeon® processors
- Intel® Movidius™ VPUs
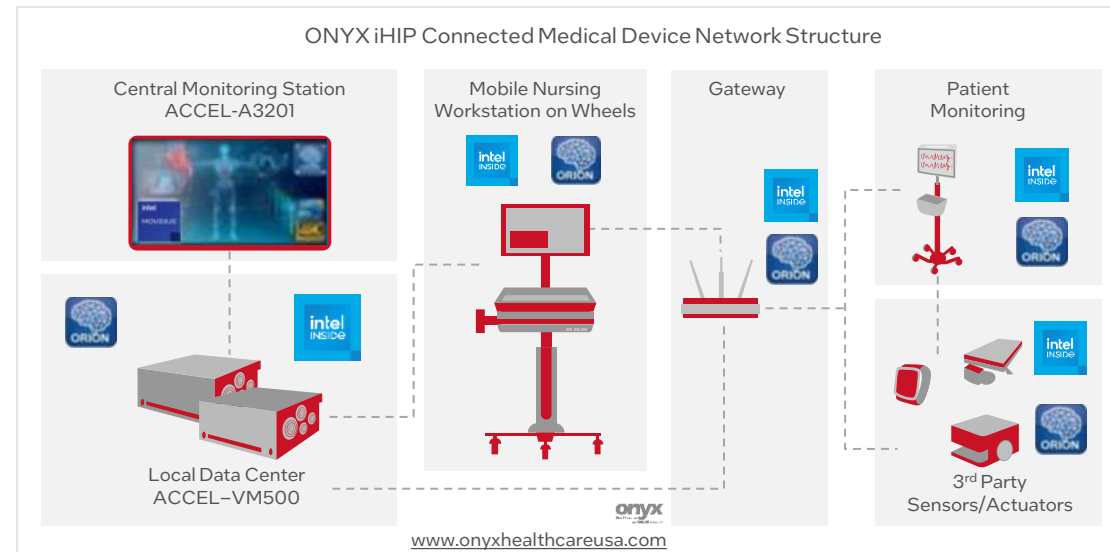
Target Vertical: Health & Life Sciences

Target Use Case: Asset & Operations Optimization

Geo Availability
United States and Canada

Learn More
Onyx Website

ONYX iHIP Connected Medical Device Network Structure

www.onyxhealthcareusa.com

O'Prueba Operating System (OOS)

Solution Overview

Software deployment has been significantly streamlined by advancements in operating systems and the internet; however, many IT services still rely on cumbersome hardware that require lengthy deployment periods that can take anywhere from 3 to 6 months. The O'Prueba Operating System (OOS), tailored for uCPE, transforms IT/OT service deployment, reducing timelines from months to minutes. With adaptable communication services and edge computing capabilities, OOS enables instant deployment sans code rewriting. Simplify your processes and embrace efficient management, thus accelerating time-to-market for software service providers.

Value Props

Speed-up time to market by accelerating field set up and deal closure with O'Prueba.

Streamline application deployment with a multi-purpose platform that allows for easily deployed applications and CPEs.

Enable management from anywhere, at anytime and transform manual tasks with one-button remote management.

Intel Components

- Intel Atom® processors
- Intel® Core™ i5 processors
- Intel® Xeon® SP Gold processors

Applications		Applications/Service Loading
SD-WAN/Multiple APN/ Network Slicing/VLAN	Docker/VM	Integrated Operation System
Network Forwarding/ Driver/Control/Manager	Virtual Environment	
OOS		
5G/LTE/Wi-Fi/RJ45/ Fiber/PoE/SFP/RS232/RS485...	CPU/RAM/Storage	Industrial-Grade Hardware
IPC (x86/ARM/SoC)/Server		
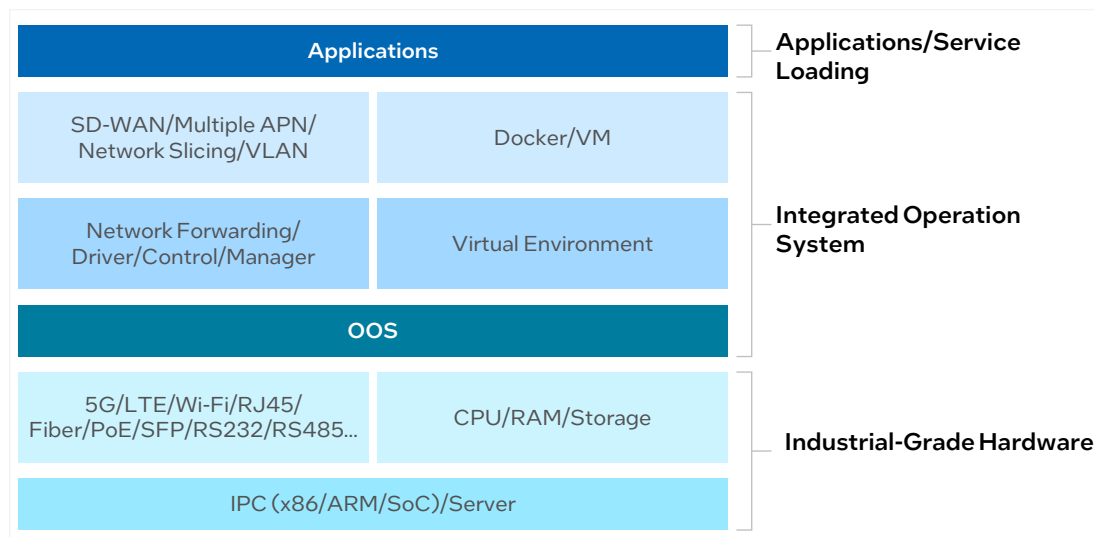
Target Vertical:
Manufacturing

Secondary Verticals:
Government, Retail

Target Use Case:
Asset & Operations Optimization

Secondary Use Case:
Control Optimization & Autonomy

Geo Availability:
Asia, Pacific, and Japan

Sales Contact:
Chelsea Huang – Chelsea.huang@oprueba.com

Solution Webpage:
OS: Manage Your Applications at the Edge from the Cloud

Learn More:
O'Prueba Homepage

Solution Overview

AOI-Marketplace is an AIaaS (AI as a Service) platform specially designed for defect inspection in various industry verticals, such as manufacturing, automative, and medical. The service aims to upgrade existing AOI machines to next generation via a hassle-free subscription-based business model.

Value Props

Accurate
Highly customized and fine-tuned AI model that is domain specific rather than general purpose

Faster
Edge AI Inference — fine-tuned (light-weight) vs. cloud-based SaaS (heavy) AI model

Safer
Secured, private, hybrid cloud

Business-size Friendly
Subscription biz model turning CAPEX to OPEX

Intel Components

- Intel® Core™
- Intel® RealSense™ Technologies
- Intel® OpenVINO™

Sales Guidance: Indicators that the AOI-Marketplace solution may be a good fit.

Assess:
- ❑ Manufacturers looking to improve their current rule-based AOI machines
- ❑ Manufacturers wanting to reduce costs and improve quality standards

Discover:
- ❑ Achieve industrial-grade accuracy via continuous AI model retraining
- ❑ Reduce development and deployment lead-times
- ❑ Service on a private and public hybrid cloud

Pain Points:
- ❑ High underkill or overkill rates
- ❑ Slow inspection speeds
- ❑ High labor costs related to inspections
- ❑ Customer penalty due to leakage

AOI-Marketplace Market Ready Solution

- AI model online testing
- AI model edge inference

- MLOps
- AI models cloud inference backup
- AI model remote deployment
- Data cleaning
- AI model retraining
- AI model offline testing
- Edge computer/server monitoring and alert

Fine-tuned AI AOI model, Edge Inference, cloud retraining!

Primary Industry:
Manufacturing

Additional Industries:
Transportation and Warehousing, Health and Life Science

Primary Use Case:
Product Inspection

Geo Availability:
Global

Solution Sales Contact:
Billion Wan
billion.wan@orama-aoi.com

Intel Sales Contact:
Lawrence Lee
lawrence.lee@intel.com

Solution Webpage:
http://www.orama-aoi.com/wordpress/

ORISOL Production Data Collection System (PDCS)

Solution Overview

ORISOL Production Data Collection System (PDCS) is a digital software management & cloud service solution designed for footwear manufacturing industry. PDCS enables the manufacturer to monitor relevant outputs and real-time parameter data from ORISOL equipment.

Value Props

Improve productivity by utilizing real-time data from machines to make necessary adjustments for product output

Minimize machine downtime with alarm notifications that alert which machine needs maintenance or attention

Maximize flexibility with effective capacity utilization and production load balancing

Intel Components
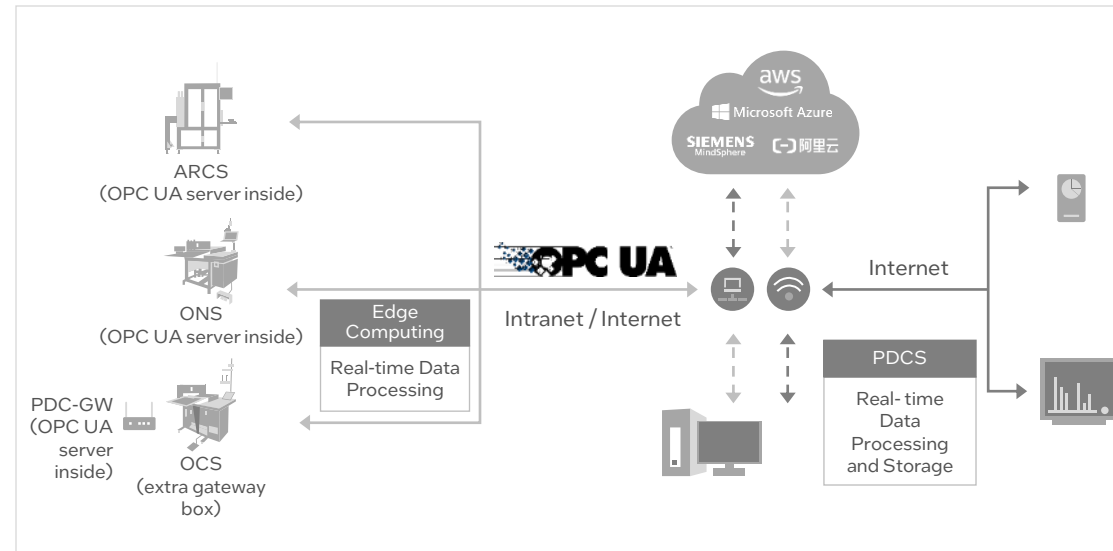
- Intel® CoreTM i3 Processors
- Intel® CoreTM i5 Processors

ARCS
(OPC UA server inside)

ONS
(OPC UA server inside)

PDC-GW
(OPC UA server inside)

OCS
(extra gateway box)

Edge Computing
Real-time Data Processing

Intranet / Internet

aws
Microsoft Azure
SIEMENS MindSphere 阿里云

OPC UA

Internet

PDCS
Real- time Data Processing and Storage

Target Vertical: Manufacturing

Target Use Case: Machine Condition Monitoring

Secondary Use Cases: Asset & Operations Optimization, Energy Monitoring & Management, Interactive Media, Situational Monitoring

Geo Availability

Available globally

Learn More

- PDCS Solution overview

Solution Overview

In the evolving landscape of Spatial Intelligence and Intelligent Transport Systems (ITS), Outsight's Shift LiDAR Software is a comprehensive suite designed for a wide array of People Flow Monitoring, ITS and Vehicle Flow Monitoring applications that sets a new standard in the fields of Smart Places and Smart Road Infrastructure. At its core, the software uses advanced 3D LiDAR data-processing techniques, driven by Intel's robust CPUs, to provide real-time, accurate tracking of vehicles and pedestrians, while being privacy-complaint. As operators of high-dwell spaces and infrastructures, as well as cities and transport authorities strive toward smarter, safer, and more efficient places and roads, Outsight's solution offers a glimpse into the future of People Flow monitoring, Urban Mobility and ITS.

Value Props

Elevate Visitor Experience
Reduce bottlenecks and waiting times and create a seamless journey for your shoppers, visitors, or passengers.

Improve Your Operations
Streamline your processes and optimize workforce efficiency based on accurate spatial insights.

Increase Security & Safety
Accurately manage risks ranging from unauthorized access to overcrowding, both indoors and outdoors.

Grow Revenue
Improve throughput in queueing and check-in so visitors spend more time in retail and concession areas.

Accurately Plan Infrastructure
Make use of trend analysis and simulation with historical data that leads to better data-driven investment decisions.

Enjoy Privacy by Definition
Experience the simplicity of GDPR compliance: LiDAR sensors never capture personal identification data.

Intel Components

- Intel® Core
- Intel OpenVINO

Sales Guidance: Indicators that the 3D LiDAR Insights for Smart Cities & Roads solution may be a good fit.

Assess:
- ❑ Cities/regions with a high population or lots of traffic
- ❑ Cities/regions experiencing a high number of accidents or pedestrian casualties
- ❑ Airports, government buildings, or other public spaces with high pedestrian traffic

Discover:
- ❑ Gain insight into traffic/use trends to assist in planning future upgrades to roads or business layouts
- ❑ Integrate with all relevant hardware models and manufacturers
- ❑ Convert raw data to user-friendly dashboard or API

Pain Points:
- ❑ Constant traffic jams
- ❑ High number of accidents
- ❑ Long wait times at various queues

3D LiDAR Insights for Smart Places, Smart Cities & Roads Market Ready Solution
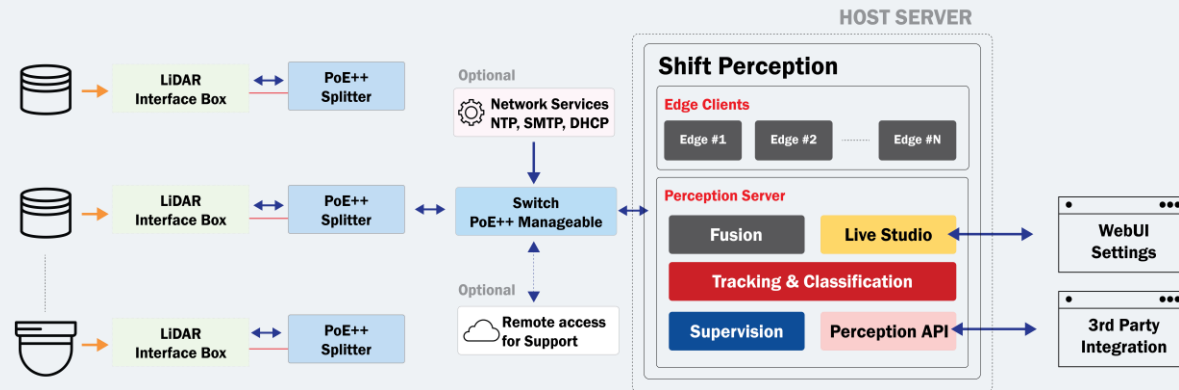
Primary Industry:
Government

Additional Industries:
Hospitality and Restaurants, Manufacturing, Retail, Transportation and Warehousing

Primary Use Case:
Asset & Operations Optimization

Additional Use Cases:
Logistics & Tracking, Situational Monitoring

Geo Availability:
Asia, Pacific, and Japan, Americas, Europe, Middle East and Africa, People's Republic of China

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Max Vega
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Solution Webpage:
www.outsight.ai

Partner Tech Smart Hotel Self-Service KIOSK

Solution Overview

The Partner Tech Smart Hotel Self-Service KIOSK (AD-215-H) is a self check-in/check-out solution for hotels looking to enhance customer satisfaction, increase customer loyalty, and optimize resource allocation. The AD-215-H is designed for maximum efficiency, longevity, flexibility, and scalability and can be customized with a wide range of optional accessories to meet hotels' self-checkout needs.

Value Props

Increase customer satisfaction by providing 24-hour service availability, increasing privacy and control, and reducing check-in/ check-out queues

Optimize hotel resources and increase productivity by allowing hotels to reallocate staff and equipment to higher-value tasks

Help protect the public by providing a contactless process as well as optional body temperature monitoring tools to minimize health-related concerns

Proven Results

Lan Kwai Fong Garden Hotel
- **The situation:** The hotel, located in Taiwan, was experiencing issues including a high staff turnover rate, a lack of well-trained staff, and customer frustrations over long queues.
- **The solution:** The Lan Kwai Fong Garden Hotel deployed the Partner Tech solution, as a counter-top self-service kiosk, to help address these issues.
- **The results:** Partner Tech customers say KIOSK accounts for 2+ staff/day, resulting in higher availability of service and about a 30% time reduction in check-in/out processes. They also report a 20% reduction in customer complaints.

Intel Components

- Intel® Core™ i3 and i5 Processors
- Intel® Celeron® Processors

" It is always difficult to find and retain a well-trained staff, especially at [a] small city. Lack of staff has always [caused] frustration to the customers, especially during peak holiday season. With... the Self-Service KIOSK, not only [has] my problem [been] resolved, but [it has] also enhanced customer satisfaction.

Administration Manager, Lan Kwai Fong Garden Hotel "

Target Vertical:
Hospitality

Secondary Vertical:
Retail

Target Use Case:
Interactive Media

Secondary Use Cases:
Control Optimization & Autonomy

Geo Availability
APJ

Learn More
- Product Webpage
- Product Video

Passengera Fleet Connectivity and Infotainment Solution

Solution Overview

Passengera Fleet Connectivity and Infotainment solutions provide reliable, manageable and secure internet connectivity and infotainment platforms for transport vehicles over mobile data networks. The solutions also empower transportation organizations with fleet management and passenger data analysis capabilities.

Value Props

Reduce cost: by decreasing mobile data costs for internet access through effective bandwidth management and content available onboard

Generate a more loyal and consistent customer base: by improving the passenger experience through services that provide high-quality entertainment and information

Increase revenue: by analyzing and using passenger data to effectively implement targeted services and advertisements

Kit Components

- Intel® Core™ i5 Processors
- Intel® Atom® Processors
- Intel® Core™ i7 Processors
- Intel® Xeon® Processors

Monitoring & Management Suite

Connectivity & App. Hosting	Engagement & Monetisation	Information System	Operations & Security
Keeping passengers and vehicles connected	Engaging passengers and revenue generation	Informing passengers in attractive way	Improving business processes and security
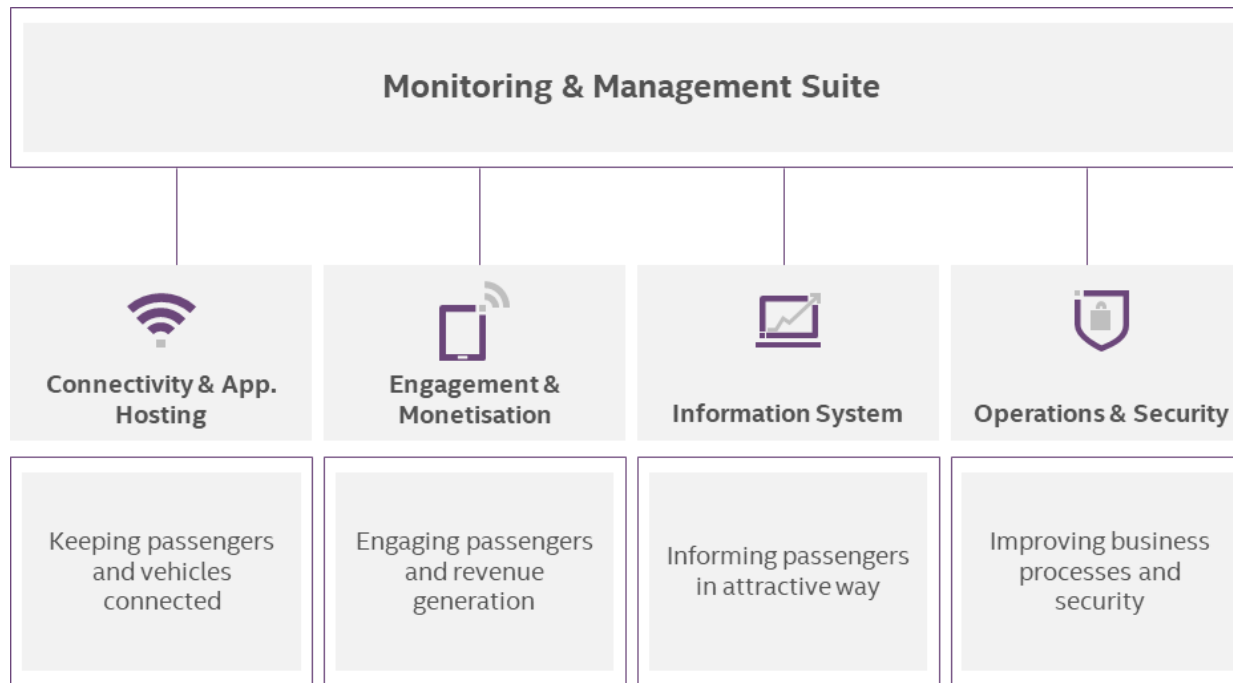
Target Vertical:
Transportation

Target Use Case:
Assets & Operations Optimization

Secondary Use Case:
Workload Optimization

Geo Availability
Globally

Learn More
Passengera Website

Pathr.ai Spatial Intelligence

Solution Overview

As online retailers have unprecedented visibility into their shopper behavior, brick-and-mortar retailers are at a comparable disadvantage when it comes to acquiring insights surrounding their customers' in-store behavior. Pathr.ai Spatial Intelligence is a retail solution that anonymously captures customer and staff movement by leveraging existing cameras and data sources. The solution utilizes AI and edge servers to run computer vision detection and video analytics at the edge. Integrated onto a retailer's business system, Pathr.ai delivers actionable insights through customized dashboards and real-time alerts retailers can use to understand customer behavior within their stores to improve their fiscal and operational outcomes, delivering a +10x annual ROI[1].

Value Props

Drive increased profit with enhanced customer insights that facilitate data-driven business decisions and more efficient resource allocation to reduce costs, increase sales velocity, and unlock +10x ROI each year[1]

Boost ROI of existing infrastructure by integrating new capabilities into pre-existing camera systems and seamlessly scaling successful implementations across thousands of stores

Help ensure privacy compliance with a solution that is GDPR and CCPA compliant and doesn't measure personally identifiable information (PII) when capturing customer data

Kit Components

- Intel® Xeon® SP Silver
- Intel® Xeon® SP Gold
- Intel® Movidius™ Myriad™
- Intel® Core™ i9 processors
- Intel® Distribution of OpenVINO™ toolkit

Computer Vision Detections and Tracking

Integration with Business System

Anonymous In-Store Behavior Insights
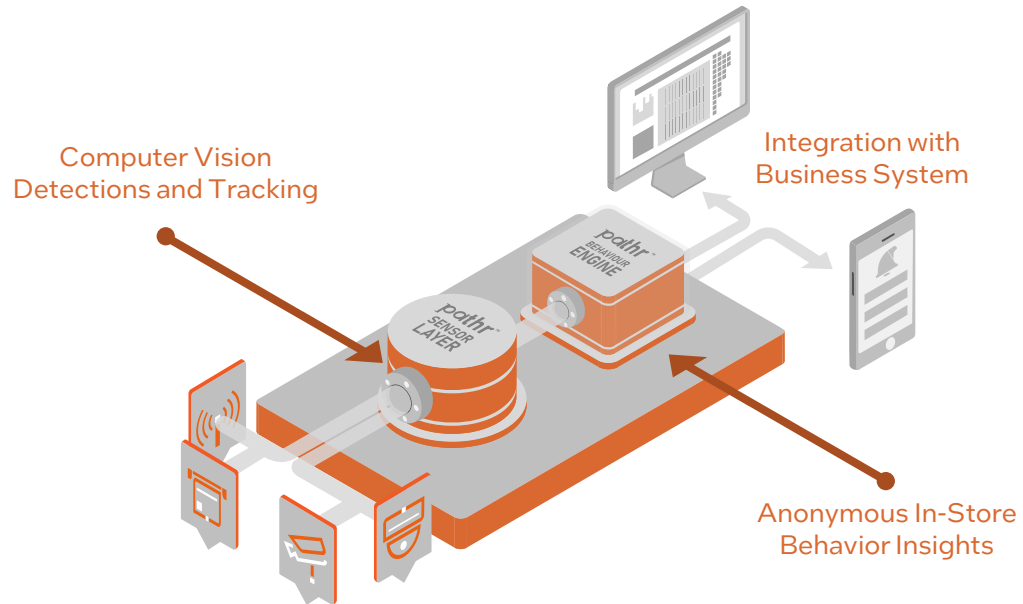
Target Vertical:
Retail

Secondary Vertical:
Warehousing and Distribution, Commercial Real Estate

Target Use Case:
Situational Monitoring

Secondary Use Case:
Asset & Operations Optimization

Geo Availability
Americas, Europe, Middle East, APJ, Africa, People's Republic of China

Learn More
https://pathr.ai/
Demo
Intel & Pathr.ai Grocery Solution Brief

1. Pathr.ai, Why Pathr.ai?, 2022

Back to
Manufacturing
Solutions

Back to Product
Inspection
Use Cases

HORUS440 – AI Visual Inspection GPU Server

Solution Overview

In the domain of AI Visual Inspection, the current version excels in routine tasks but faces challenges when dealing with real-world complexities. HORUS440 by Perfectron, crafted with Intel® Generation 4th Sapphire Rapids XEON SP Gold 6421N (32 cores), Intel® GPU Flex 170 (32 Xe-cores), Intel® Ethernet Controller I350, and Intel OpenVINO with REALSENSE technology, stands as a testament to predictability, showcasing higher speeds, enhanced maneuverability, and increased range. It provides a comprehensive, all-in-one processing solution for next-generation manufacturing and logistics management.

Value Props

- Remote data access
- Compatible with most robotic arms
- Offers software analytics as an option
- Able to leverage existing algorithms

Intel Components

- Intel® Xeon®
- Intel® RealSense™ Technologies
- Intel® OpenVINO™

HORUS440 – AI Visual Inspection GPU Server Market Ready Solution
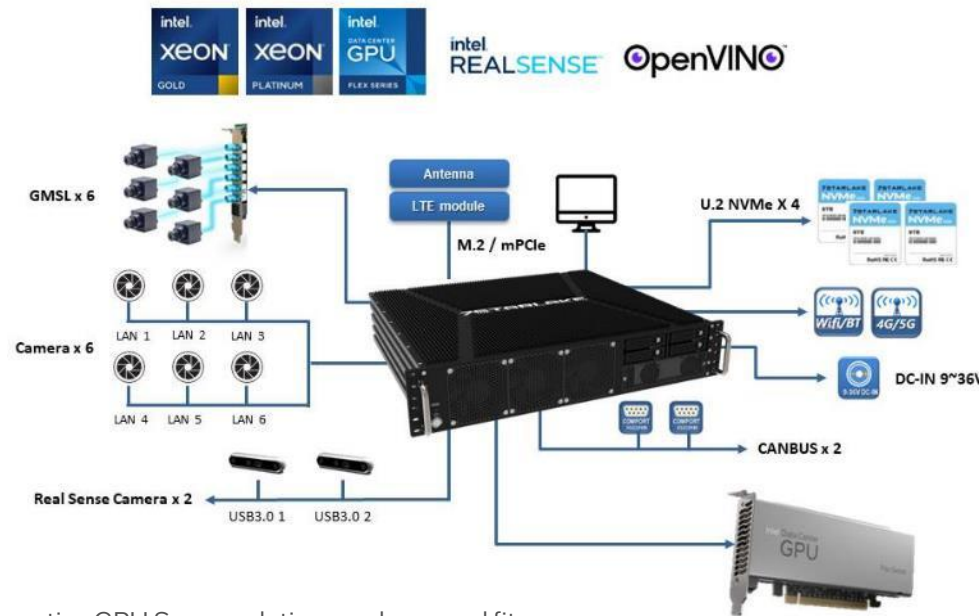
Primary Industry:
Manufacturing

Additional Industries:
Government, Transportation and Warehousing

Primary Use Case:
Product Inspection

Additional Use Cases:
Control Optimization & Autonomy, Logistics & Tracking, Machine Condition Monitoring, Situational Monitoring

Geo Availability:
Asia, Pacific and Japan, Americas, Europe, Middle East and Africa

Solution Sales Contact:
perfect@perfectron.com

Intel Sales Contact:
Brenda Yeap
brenda.yeap@intel.com

Solution Webpage:
https://www.perfectron.com/products/rugged-computer/horus440

Sales Guidance: Indicators that the HORUS 440 – AI Visual Inspection GPU Server solution may be a good fit.

Assess:
❑ Manufacturers looking to automate their product inspection processes
❑ Companies looking to improve the use of robotic arms for production or inspection
❑ Manufacturers looking to maximize current hardware resources

Discover:
❑ Process with zero latency
❑ Maximize hardware resource efficiency
❑ Operate under extreme temperatures and humidity

Pain Points:
❑ Unreliable outcomes in harsh environments
❑ Slow analytics/data results

PerfecTron Level 4 Autonomous Shuttle

Solution Overview

The PerfecTron Autonomous Shuttle navigates using radar, Lidar, GPS, odometry, and computer vision, maintaining eco-innovation and a high level of safety.

Value Props

Environmentally Friendly – Limit noise and emissions with an electric, noiseless design

Safe – Deliver a safe and accessible transportation alternative with advanced perception technologies

Cost-Effective – Ease budgetary restraints thanks to reduced operating and infrastructure costs

Intel Components

- Intel® Core™ i7 Processors
- Intel® QM77 and QM87 Chipsets
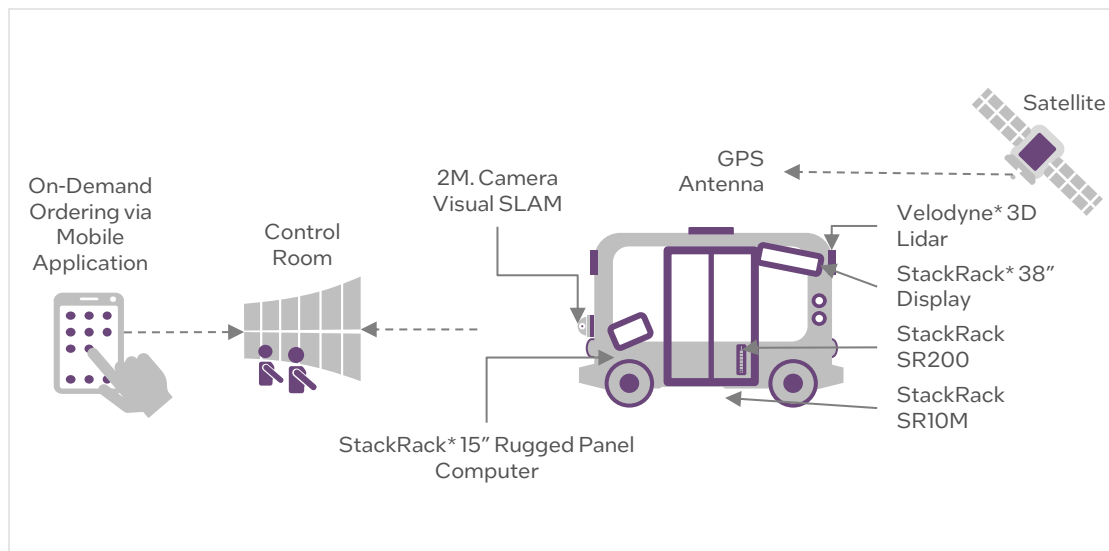
On-Demand Ordering via Mobile Application

Control Room

2M. Camera Visual SLAM

GPS Antenna

Satellite

Velodyne* 3D Lidar

StackRack* 38" Display

StackRack SR200

StackRack SR10M

StackRack* 15" Rugged Panel Computer

Target Vertical:
Transportation

Secondary Vertical:
Government

Target Use Case: Asset & Operations Optimization
Secondary Use Case: Control Optimization & Autonomy

Geo Availability
Available in APAC, Japan, China, Australia, EMEA, North America

Learn More
- PerfecTron Autonomous Shuttle product website
- EZ10 Shuttle product showcase video
- EZ10 newsroom
- EZ10 product booklet and press kits

Phonexia Speech Platform

Solution Overview

The Phonexia Speech Platform is a complete set of state-of-the-art speech technologies in a single software platform enabling audio analysis for defense and safety scenarios. Through big speech data analysis and voice biometric identification customers can utilize actionable insights in order to optimize investigations and public safety operations.

Value Props

Analyze audio data faster with accurate, AI-powered voice biometrics and speech analytics to uncover necessary context

Integrate seamlessly into systems via a REST API with an on-premise or in the cloud, fully scalable modular solution

Enhance investigative operations with automatic speech recognition and speaker identification to save staff time to focus on more valuable tasks

Intel Components

- Intel® Xeon® Processors
- Intel® Core™ i7
- Intel® Core™ i5
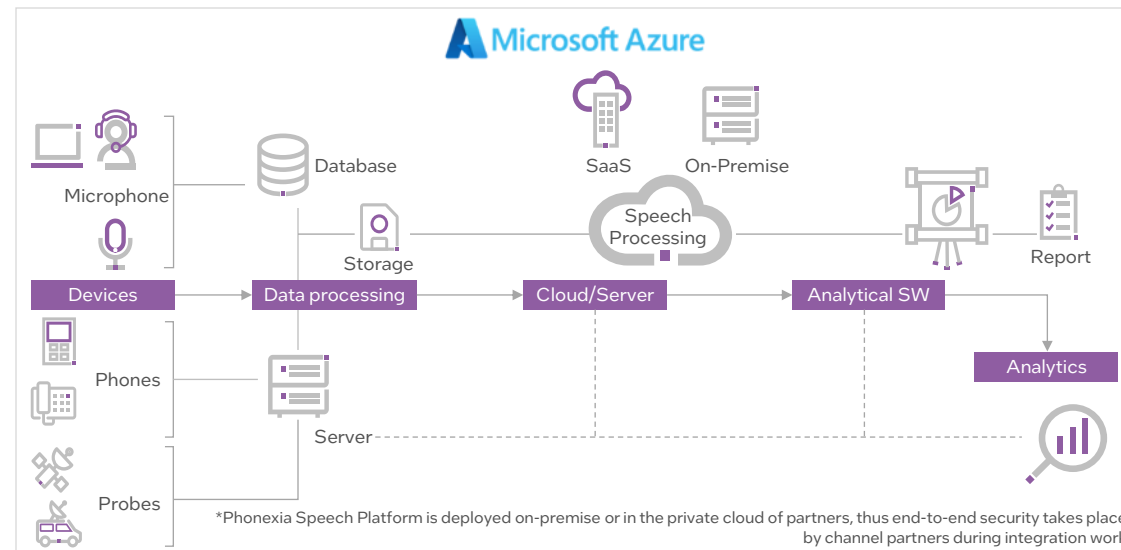
*Phonexia Speech Platform is deployed on-premise or in the private cloud of partners, thus end-to-end security takes place by channel partners during integration work

Target Vertical: Government
Secondary Verticals: Banking/Financial Services, Manufacturing, Retail

Target Use Case: Other
Secondary Use Cases: Control Optimization & Autonomy, Interactive Media

Geo Availability
Europe, Canada, Mexico, United States, Other Americas, Australia/New Zealand, India, Taiwan, Israel, Middle East, North Africa and Turkey, United Kingdom

Learn More
- Phonexia Website
- Phonexia Government Use Case
- Phonexia Open-Source Acknowledgement

Prescriptive Data NANTUM

Solution Overview

A highly secure, scalable, and flexible IoT platform that creates smarter and more efficient buildings

Value Props

Reduce expenses and lower carbon footprint by improving energy efficiency

Improve tenant retention by proactively managing buildings to increase comfort

Optimize operational efficiency with more control and automation of building systems

Intel Components

- Intel®-based Logic Supply ML100 Series NUC
- Intel®-powered IoT sensors and collectors
- Intel®-powered data center switching/routing
- NANTUM software designed to operate on Intel®-based gateways
- AWS Intel®-specified compute and processing
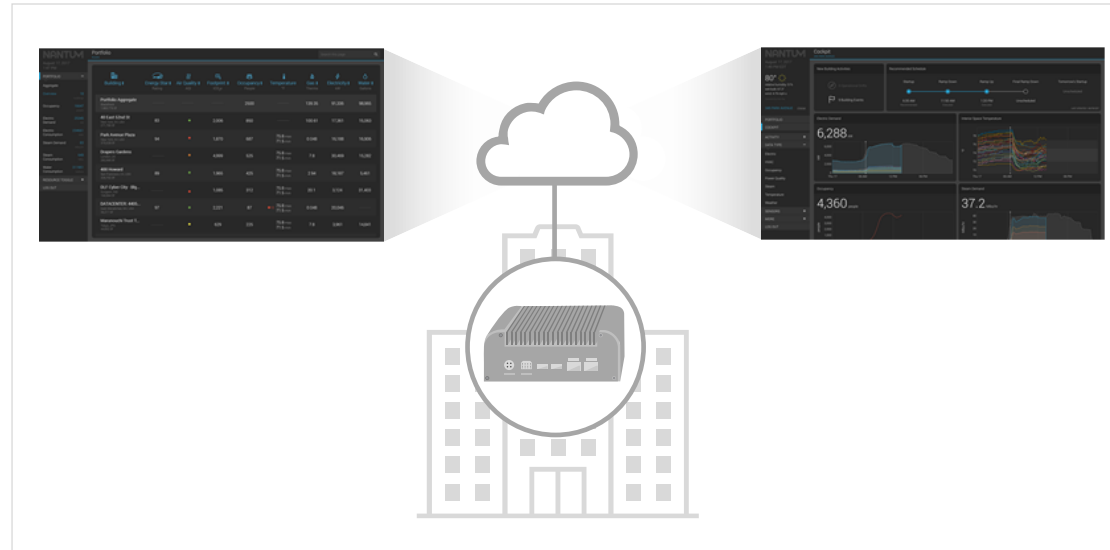
Target Vertical: Other

Secondary Verticals: Retail, Banking/Financial Services, Hospitality, Education, Public Sector/Government

Target Use Case: Asset & Operations Optimization

Secondary Use Case: Situational Monitoring, Environmental Monitoring

Geo Availability
North and South America

Learn More
Prescriptive Data NANTUM solution website

PEGATRON 5G

5G Private Network Solution: Digital Resilience

Solution Overview

As modern businesses and high-tech operations grow increasingly dependent on access to high-speed wireless data, so does their need for a diverse range of networking solutions. To address this demand, Pegatron developed the 5G Private Network Solution, a highly integrated and scalable edge computing platform with advanced network connectivity. Pegatron offers an end-to-end solution for 5G private networks with various 5G technologies and services to support cross-field applications.

Value Props

Provide reliable and complete communication through 5G private network integration with orbital satellites that ensure uninterrupted connection services that support a diverse range of communication options

Reduce overhead **costs and improve carbon footprint** by implementing a solution that intelligently manages energy consumption by allowing 5G base stations to hibernate

Improve operational efficiency with a solution that utilizes digital resilience applications to manage assets within an enterprise infrastructure to maintain the ability to operate during business disruptions

Kit Components

- Intel® Xeon® Processors
- Intel® Arria® Processors
- Intel® Ethernet Network Adaptors
- Intel® FlexRAN™
- Intel® DPDK
- Intel® Distribution of OpenVINO™ toolkit
- Intel® vRAN Accelerator
- Intel® QuickAssist Adapter
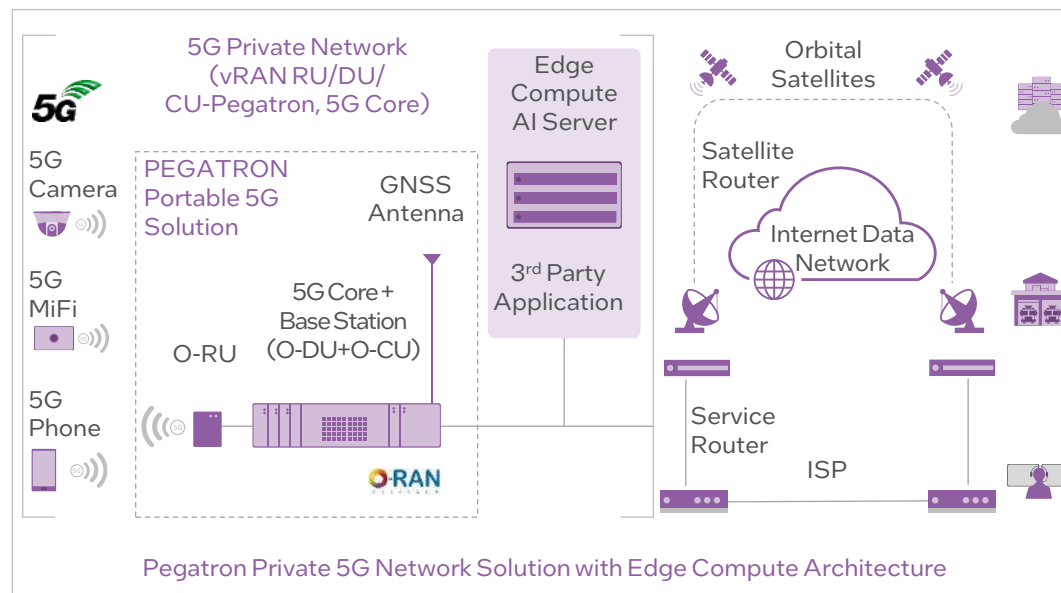
Pegatron Private 5G Network Solution with Edge Compute Architecture

Target Vertical:
Government

Secondary Verticals:
Education, Health & Life Sciences, Manufacturing, Transportation & Warehousing

Target Use Case:
Situational Monitoring

Geo Availability
APJ, Americas, Europe, Middle East, and Africa

Learn More
- Pegatron – Home page
- PEGATRON 5G O-RAN E2E Private Network Solution - video

PreciTaste Prep Assistant

Solution Overview

PreciTaste's Prep Assistant is a software automation solution designed to address the challenges faced by global foodservice operators. By leveraging AI-driven recommendations and historical data, it optimizes ingredient preparation, increases crew efficiency, reduces food costs, and enhances customer experiences. Through the power of edge and cloud connectivity, it enables real-time analysis, precise forecasts, and data-driven decision-making.

Value Props

Reduce labor costs and increase productivity with automated calculations that decrease time spent on manual estimations and task management, saving both managers and crew members 1+ hour per day* – allowing them to focus more on customer service and culinary creativity.

Decrease food costs by up to 5%[1] through a significant reduction in food waste, as the Prep Assistant significantly reduces overproduction through precise sales forecasts and ingredient prep instructions.

Improve regulatory compliance, up to 99%[2], by providing an intuitive and user-friendly solution that helps teams follow approved processes, adhere to regulatory requirements, and manage tasks.

Intel Components

- Intel® Core™ i5 processors
- Intel® Core™ i3 processors
- Intel® Distribution of OpenVINO™ toolkit

Diagram

Cloud

Data Repository

TasteOS KPI Dashboard

Legend
- Real Time Messages
- Logging
- Cloud KPI Reporting
- Onsite VLAN

Weather and traffic data

KPI Reporting

Onsite Gateway

VPN Encrypted Communications

Edge

Onsite VLAN
Inventory and User Bumps

Mini Restaurant Server (i5) w/ OpenVINO for optional vision sensing

Prep UI (i3)

Optional camera for computer vision

Prep Quantities

1. Business Cases, PreciTaste, 2023. | 2. Case Study: AI-Driven Prep, PreciTaste, 2023.

Sidebar
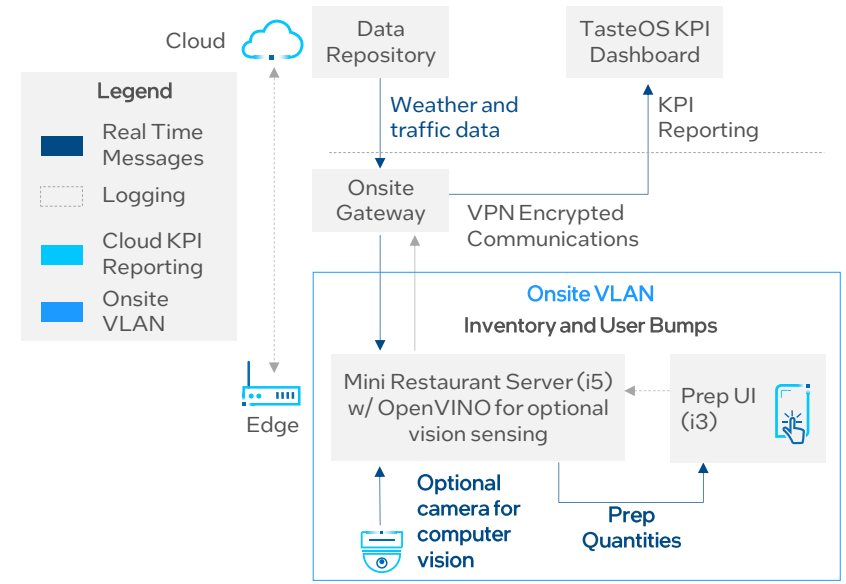
Target Vertical:
Hospitality
Secondary Verticals:
Retail, Partner Verticals

Partner Designated Vertical:
Restaurant & Grocery

Target Use Case:
Asset & Operations Optimization
Secondary Vertical:
Logistics & Tracking

Geo Availability
Americas, EMEA

Sales Contact
sales@precitaste.com

Solution Webpage
PreciTaste Prep Assistant

Learn More
- How it works
- PreciTaste news
- Business case
- Customer story video

Profet AI AutoML Platform

Solution Overview

Profet AI offers a no-code AutoML Virtual Data Scientist Platform and on-demand AI application knowledge base. Emphasizing speed and user-friendliness, this platform caters to both industry experts without IT backgrounds and data scientists well-versed in data utilization. High-quality predictive models can be swiftly created and AI applications rapidly deployed. By leveraging the Virtual Data Scientist Platform, valuable data within enterprises is applied, not only enhancing and passing on the expertise of experienced craftsmen but also refining more valuable opportunities for digital optimization and transformation. This facilitates the realization of a culture of AI literacy across the entire organization.

Value Props

- End-to-end no-code AutoML platform.
- Empowers domain users to rapidly build high-quality prediction models.
- Solves everyday production and digitization challenges.
- Enables deployment of industrial AI applications within one week.

Intel Components

- Intel® OpenVINO™
- Intel® Atom®
- Intel® Core™
- Intel® Xeon®

Profet AI AutoML Platform Market Ready Solution

ERP
MES
Production Equipment

1. Upload historical data to Profet AI AutoML Server to train and validate models

4. Real-Time Date

5. System Presentation

Download the prediction model or optimized service model file and install and deploy it with the Edge Server program.

Other service programs and customized interface

Real Time Date

Prediction results parameter optimization

3. Deployment

Edge Service (System Integration)

Edge Service

OpenVINO

Integrate data source systems with Edge Service using the Edge Service API documentation and customize the user interface design. (OpenVino deployed here)

Sales Guidance: Indicators that the Profet AI AutoML Platform solution may be a good fit.

Assess:
- ❑ Manufacturers looking to effectively maintain safety stock quantity
- ❑ Manufacturers looking to prevent unexpected downtime
- ❑ Manufacturers looking to reduce energy consumption and standby power usage by increasing chiller efficiency

Discover:
- ❑ Increase production and R&D efficiency
- ❑ Increase personnel efficiency
- ❑ Predict potential downtime due to abnormalities
- ❑ Increase fulfillment rate

Pain Points:
- ❑ Lengthy implementation
- ❑ Lack of internal AI and analytic experts
- ❑ High inventory costs

Primary Industry:
Manufacturing

Additional Industries:
Government

Primary Use Case:
Assets & Operations Optimization

Additional Use Cases:
Control Optimization & Autonomy, Machine Condition Monitoring, Product Inspection

Geo Availability:
Asia, Pacific and Japan, People's Republic of China

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Intel Sales Contact:
NommelX Lagoc
nommelx.lagoc@intel.com

Solution Webpage:
https://en.profetai.com/automl/

intel MARKET READY

Prowise Full Solution for Education

Solution Overview

The Prowise Full Solution for Education offers a powerful interactive experience to the education industry. The 3-in-1 camera, touchscreen, and PC modules bring engagement into the classroom by providing a safe, collaborative, and active educational experience.

Value Props

Unlock a fun, educational, and healthy experience for students

Bring experts into the classroom with video conferencing capabilities

Protect personal data through components that comply with security and privacy standards

Intel Components

- Intel® Core™ i5 processors
- Intel® RealSense™
- Intel® vPro™ and Unite™
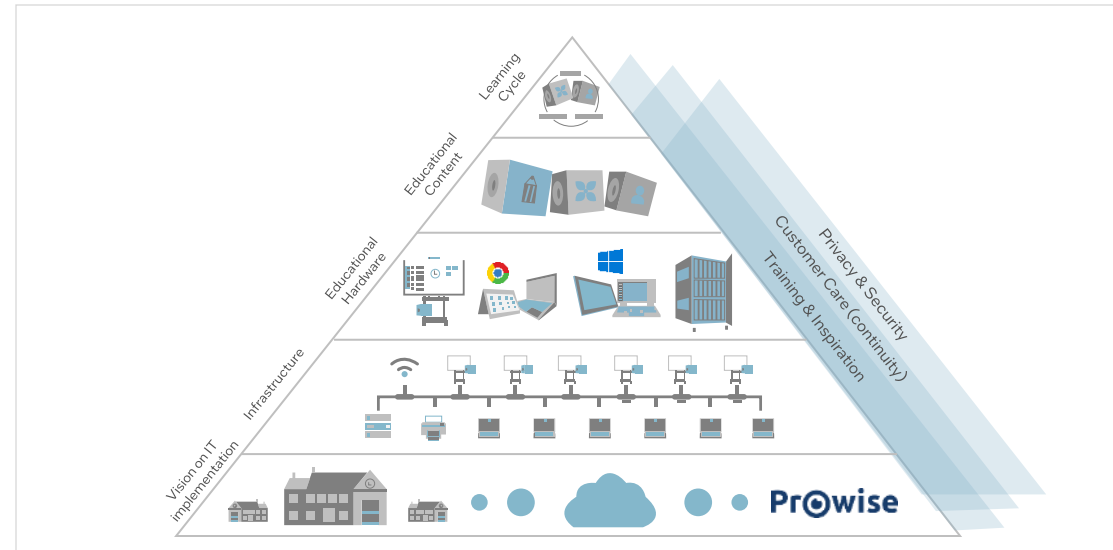
Target Vertical: Education

Target Use Case: Asset & Operations Optimization

Secondary Use Case: Interactive Media

Geo Availability

North and South America

Learn More

Prescriptive Data NANTUM solution website

Prox Systems Co., Ltd. Restaurant Smart Service Solution

Solution Overview

In the restaurant and hospitality industry, labor shortages and an increasing customer preference for using contactless technology services have increased the demand for automated, self-service digital solutions. The Prox Restaurant Smart Service Solution helps restaurants facilitate operational efficiency with automated technology from self-ordering, touchless payments, and kitchen order management, to customer pick-up. The solution also provides powerful data insights to help restaurants gain a deeper understanding of their market and a cloud-based platform to help monitor their hardware devices remotely. Ultimately, the Prox solution provides restaurants with all the tools needed to improve service and gain a competitive advantage.

Value Props

Increase operational efficiency by streamlining ordering, payment, and preparation processes with an automated and comprehensive technology

Improve customer satisfaction by leveraging insights to help improve your services, on top of providing a faster and safer experience

Facilitate IT management with a built-in, cloud-based platform service that enables easy remote device management and quick troubleshooting

Kit Components

- Intel® Celeron® processors
- Intel® Core™ i3 processors
- Intel® Core™ i5 processors

1. **Customers** — Pay the order at self-service kiosk.
2. **System** — Order flow to kitchen for preparation (KDS).
3. **Restaurant staffs** — Receive the order and start preparing the meal.
4. **System** — When the order is ready, restaurant staff notify the customers via the Prox Restaurant Calling System. Then, the order pick up number will be shown on the digital status screen.
5. **Customers** — Go to the automated pickup system, And scan the QR code to open their pickup spot to get the meal.
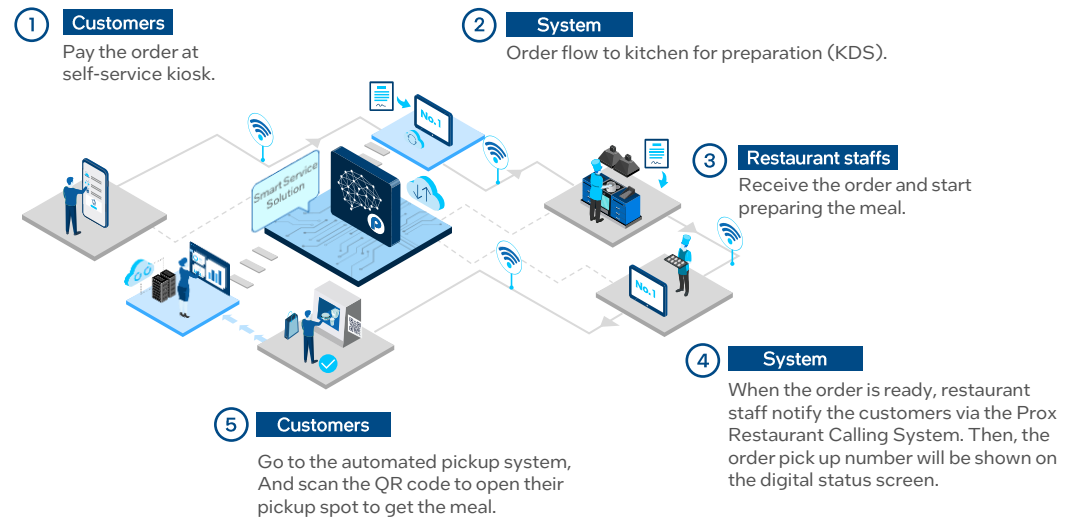
Target Vertical:
Hospitality and Restaurants

Secondary Vertical:
Retail

Target Use Case:
Interactive Media

Geo Availability
Asia Pacific, Japan, USA, Germany, Spain

Learn More
- Protech Systems (Prox) Website
- Solution Webpage

PT. Murni Solusindo Nusantara AI Powered Digital Public Information Display

Solution Overview

PT. Murni Solusindo Nusantara's AI Powered Digital Public Display offers a digital signage solution that helps businesses provide visual displays that inform, engage, and entertain customers along with real-time data and analytics that provide insights into messaging efficacy, allowing administrators to optimize strategy. The solution provides built-in privacy protection for its audience detection technology by utilizing anonymous pattern detection algorithms that help ensure no images or video are recorded, and no personal information is collected.

Value Props

Improve service quality by deploying effective messaging content based on customer engagement data insights

Streamline operations and information sharing protocols by managing content updates across multiple display locations from a centralized CMS

Increase profits through cross-sell and up-sell product offerings and services included in visual campaigns

Centralized Content Management system (On Premise/Cloud-based)

Cloud

Intel Based PC
Digital Signage for ATM Machine

Intel Based PC
Digital Signage with AI Face Recognition

Intel Based PC
Digital Banner

Intel Based PC
Digital Menu Board
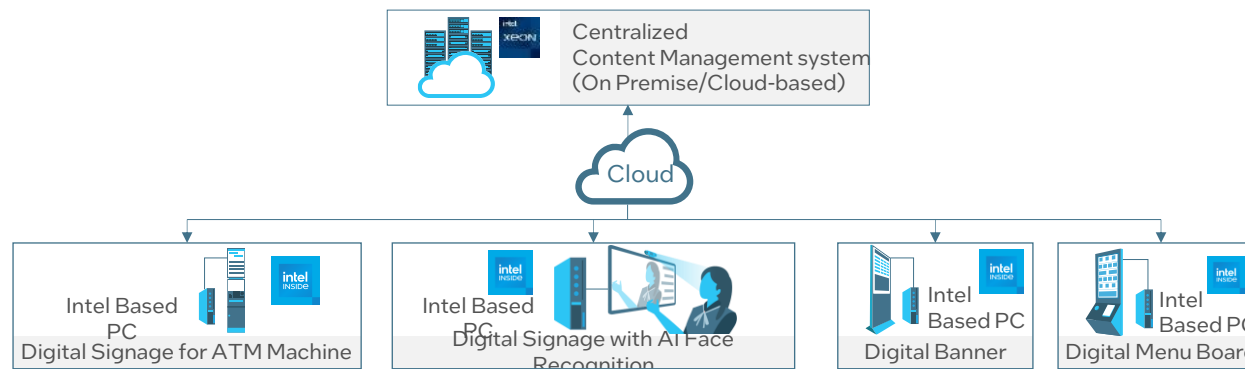
Intel Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel® NUC
- Intel® Core™ i5 Processors
- Intel® Core™ i3 Processors

Target Vertical:
Banking/Financial Services

Secondary Verticals:
Education, Health and Life Sciences, Hospitality and Restaurants, Retail, Transportation and Warehousing, Government

Target Use Case:
Interactive Media

Geo Availability
APJ

Learn More
Digital Public Information Display Product Page

Back to Health &
Life Sciences
Solutions

Back to Human Wellness
Monitoring
Use Cases

PURESTORAGE®

A Faster Time to Science with Pure Storage FlashBlade for Genomics

Solution Overview

Business owners in the life sciences sector face challenges in fully leveraging the vast genomic data generated throughout various analysis stages. Pure Storage's genomic data storage solutions provide a unified platform, offering simplicity, power, and scalability. From direct data capture to secondary and tertiary analyses, the solution employs a dynamic scale-out storage approach, resulting in up to 24x faster secondary analyses compared to traditional disk-based setups.

Value Props

Improve efficiency by optimizing data processing speed and enhancing storage management, creating a scalable infrastructure for managing growing volumes of genomics data

Reduce operational costs with data-driven insights that predict storage usage based on history, enabling proactive resource allocation and optimal storage management

Support security monitoring with always-on data encryption surveillance for potential threats, and SafeMode snapshots to lock down critical data when recovering from a cyberattack

Sequencers	Linux-based HPC Environment				Windows/UNIX-based Computing Environment
Primary Analysis	Secondary Analysis				Tertiary Analysis

Sequencers

Demultiplex *BCL2FASTQ*

Quality Control FASTQC

Alignment SAM/BAM Picard

Variant Calling

Tertiary Analysis

MDS Checksum

7.2X

26X

9X

SMB • NFS | NFS | NFS | NFS | NFS • SMB

BCL Files | FASTQ Files | Organized FASTQ Files & QC Reports | SAM/BAM Files | VCF Files

Tier at any step

Public Cloud/ Connected Cloud

Generic on-prem Storage

FB
Shared Storage for Genomics Pipeline

Intel Components

- Intel® Xeon® Silver Processors
- Intel ® AVX-512
- Intel ® Crypto-NI
- Intel® Ethernet Controllers

Vertical:
Health and Life Sciences

Use Case:
Human Wellness Monitoring

Geo Availability:
Americas, APJ, EMEA

Sales Contact:
Bill Lynch – blynch@purestorage.com

Solution Webpage:
- Pure Storage – Genomics

Learn More:
- Pure Storage – Home

Pyramid Computer Essentry Visitor Verification

Solution Overview

The Pyramid Computer Essentry Visitor Verification solution solves the dilemma of unverified access to critical facilities with an efficient and streamlined process leveraging a self-service kiosk. Providing secure and easy-to-use technology, customers are able to eliminate human-service and reduce cost in a variety of industries.

Value Props

Reduce reception operation costs by eliminating unnecessary time and resources spent on operation costs

Improve the visitor management processing time through fully automated kiosks

Safeguard your facilities, ideas and intellectual properties by leveraging biometric identification to verify and authenticate visitors or employees
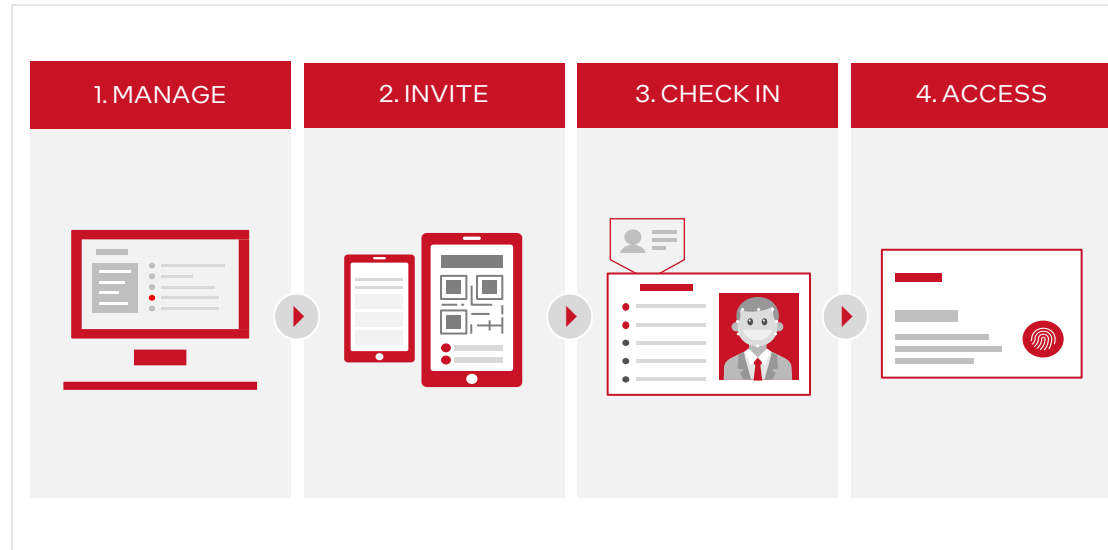
Intel Components

- Intel® Core™ i5 processors
- Intel® RealSense™ Technologies

| 1. MANAGE | 2. INVITE | 3. CHECK IN | 4. ACCESS |

Target Vertical: Health & Life Sciences

Secondary Verticals: Chemicals & Pharmaceuticals, Datacenters, Hospitality, Defense, Transportation, Enterprise

Target Use Case: Logistics & Tracking

Secondary Use Cases: Visitor Management & Access Control, Situational Monitoring, Security

Geo Availability Europe and North America

Learn More
- essentry website
- Pyramid Computer website

PYRAMID

Pyramid Computer GmbH Self Checkout Kiosk

■ Solution Overview

The Pyramid Computer GmbH Self Checkout Kiosk is an all-in-one solution that digitizes the checkout process in retail stores. The custom-made kiosk is configurable to any retail setting to offer customers enhanced, contactless shopping experiences without waiting in long queues.

■ Value Props

Reduce customer wait times with self-service kiosks that automate purchases so fewer customers spend time waiting

Lower operational costs with an all-in-one digital, self-checkout solution that can be easily customized to support individual integrations

Increase ROI with automated, self-checkout kiosks that serve more customers per hour than staff cashiers

■ Intel Components
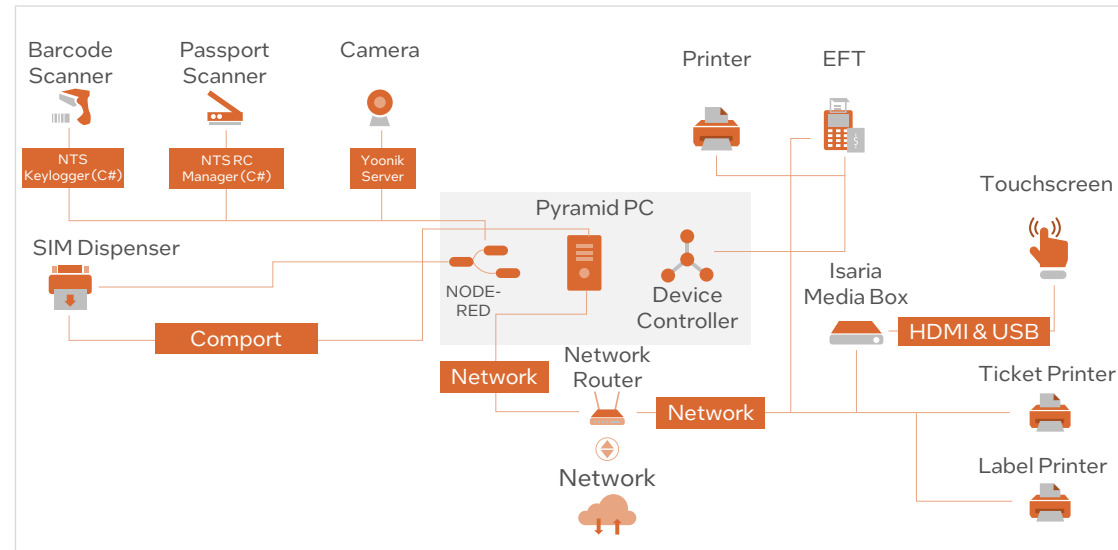
Intel® Core™ i5 Processors

Barcode Scanner — NTS Keylogger (C#)
Passport Scanner — NTS RC Manager (C#)
Camera — Yoonik Server
SIM Dispenser
Comport
NODE-RED
Network
Pyramid PC
Device Controller
Network Router
Network
Printer
EFT
Isaria Media Box
HDMI & USB
Touchscreen
Ticket Printer
Label Printer

Target Vertical: Retail

Target Use Case: Interactive Media

Geo Availability

Available in Brazil, Canada, Mexico, United States, Other Americas, Australia/New Zealand, India, Japan, South Korea, People's Republic of China, Taiwan, Germany, Israel, Middle East, North Africa and Turkey, Russia, Sub-Saharan Africa, United Kingdom

Learn More

- Pyramid Computer Website
- The SCO Future – Stationary Self Checkout Made to Measure

Pyramid Computer Restaurant Ordering Kiosk

■ Solution Overview

The Pyramid Computer Restaurant Ordering Kiosk is a modular kiosk solution for ordering and self-checkout. Complimented by the Menu Omnichannel Ecosystem, these kiosks offer a comprehensive ordering system to improve contactless purchases for safer restaurant practices

■ Value Props

Streamline and enhance restaurant operations with contactless ordering for safer and more efficient practices

Improve sales and ROI with a kiosk that reduces workflow costs while enhancing customer experience and offering a platform for more sales opportunities

Enhance public image by improving social distancing practices and ensuring customer safety

■ Intel Components
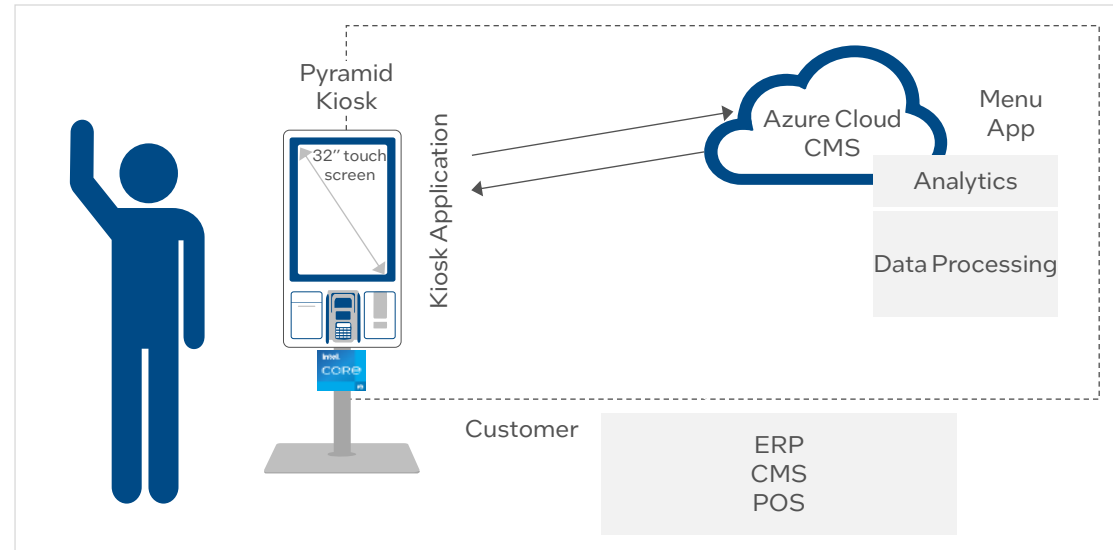
- Intel® Core™ i5 Processors
- Intel® RealSense™ Technologies

Target Vertical: Hospitality

Target Use Case: Interactive Media

Geo Availability Globally

Learn More
- Pyramid Computer website
- Menu Website
- Menu Ecosystem Video

Pyramid Kiosk — 32" touch screen — Kiosk Application — Azure Cloud CMS — Menu App — Analytics — Data Processing — Customer — ERP CMS POS

Q-Net Security

Q-Net Security – Cybersecurity Hardware Solutions

Solution Overview

Offering a new class of security solution, the Q-Net Security (QNS) Cybersecurity Hardware Security (HardSec) Solutions can lower the risk of cyberattack with an easy to drop-in, no-maintenance solution. The QNS secure network overlay is a powerful and cost-effective way to protect critical infrastructure from cyberattacks and prevent cyber intrusion for both legacy heterogeneous networks and greenfield networks.

Value Props

Futureproof operations with a quantum-compute resistant silicon-based solution that provides some of the strongest drop-in security available

Integrate seamlessly with any network by plugging in a Q-Box to secure an endpoint

Simplify management by eliminating the need for maintenance with a solution that requires no endpoint agents or software updates
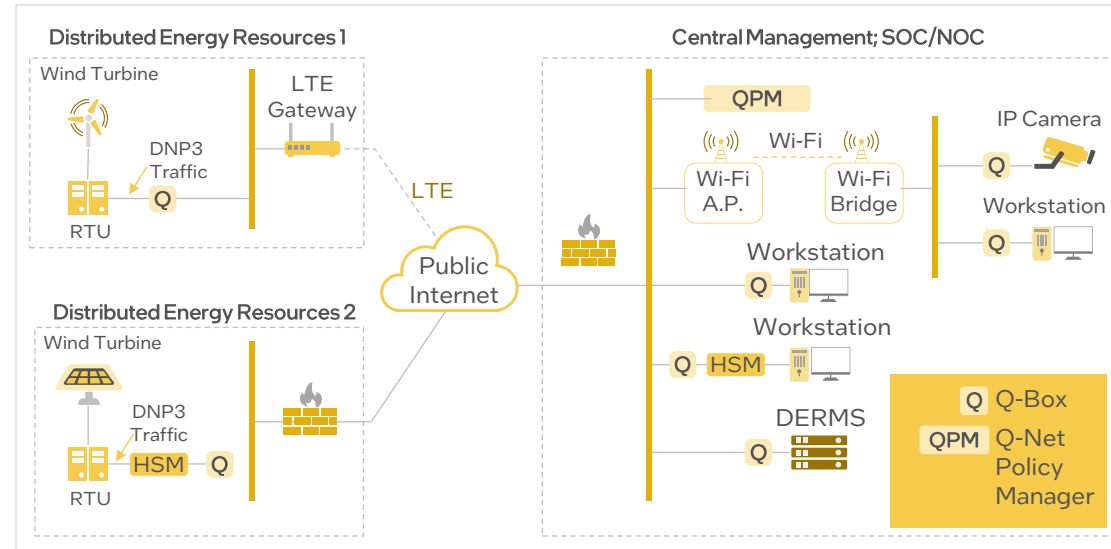
Intel Components

- Intel® FPGA
- Intel® Celeron® Processors

Distributed Energy Resources 1 / Distributed Energy Resources 2 / Central Management; SOC/NOC diagram showing Wind Turbine, LTE Gateway, DNP3 Traffic, RTU, Public Internet, LTE, QPM, Wi-Fi, Wi-Fi A.P., Wi-Fi Bridge, IP Camera, Workstation, HSM, DERMS, Q-Box, Q-Net Policy Manager

Target Vertical: Electric Utilities; Water/ Wastewater; O&G; Energy

Secondary Verticals: Banking/ Financial Services; Gaming & Entertainment; Government; Manufacturing; Transportation

Target Use Case: Secure Critical Infrastructure; Other

Geo Availability
North America, LATAM, EMEA and APAC

Learn More
Q-Net Security Website

Quanergy Flow Management

Solution Overview

Quanergy's Flow Management solution uses LiDAR technology to provide a modular, scalable, and advanced perception platform that enables real-time analysis for people counting, object detection, classification, tracking, and more. It is designed to address a wide range of applications more effectively than traditional security systems.

Value Props

Increase operational efficiency with accurate, real-time, 3D images and high resolution, reducing false alarms and the costs of security personnel

Enhance security with a solution that enables powerful tools for security and analytics applications and uses sensors that operate in every lighting condition

Help improve performance with LiDAR sensors which provide high longevity and cost efficiency

Intel Components

- Intel® Celeron® processors
- Intel® Xeon® processors
- Intel® Core™ i7 processors

TRANSMITTER / RECEIVER	OBJECT	POINT CLOUD	CLASSIFIED OBJECTS	BUSINESS SPECIFIC ANALYTIC
Transmitter emits pulsed laser light. Time of Flight receiver measures the reflected pulse.	Object illuminated by laser	Real-Time 3D Imaging	People + Vehicle objects list with position, direction & speed	

Total Traffic by Type
- Passenger Cars – 50,355
- Trucks – 8,485
- Pedestrians – 13,027

70% 12% 18%
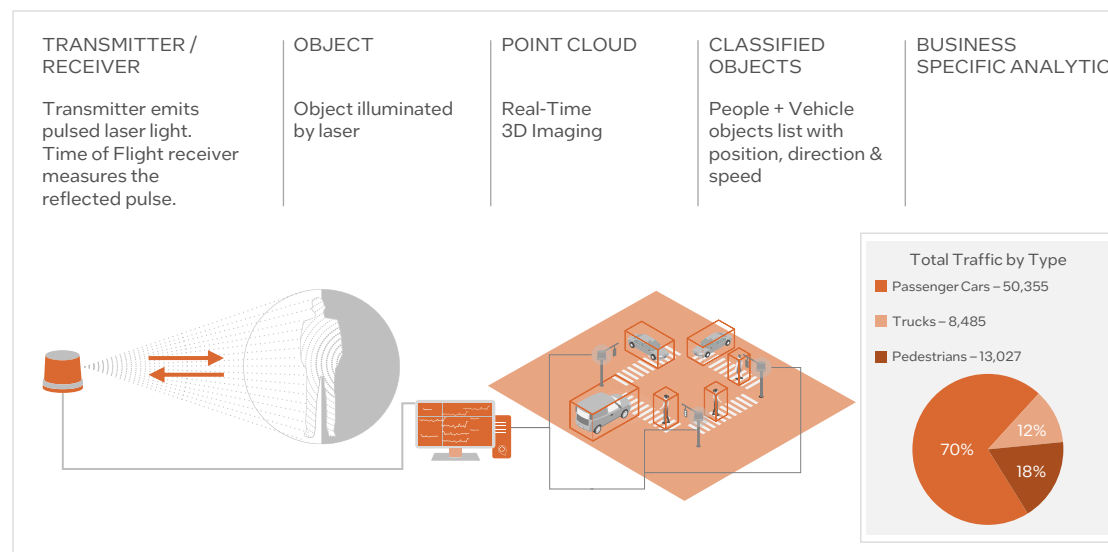
Target Vertical: Retail
Secondary Verticals: Agriculture; Banking/ Financial Services; Education; Energy; Gaming & Entertainment; Government; Hospitality; Manufacturing; Transportation

Target Use Case: Asset and Operations Optimization
Secondary Use Cases: Control Optimization & Autonomy; Environment Monitoring; Logistics & Tracking; Situational Monitoring

Geo Availability
Globally

Learn More
- Quanergy | LiDAR Sensors and Smart Sensing Solutions
- Blog - Quanergy
- Contact Quanergy

Relimetrics AI-Based QA Automation System for Electronics Assembly

Solution Overview

A closed-loop optical quality control system using AI-based video analytics in real-time at the edge that automates and digitizes visual inspections in-line, creating full traceability of quality in all stages of production

Value Props

Maximize operational efficiency with a solution that fully digitizes quality audits

Improve QA accuracy and detect product defects instantaneously

Deploy easily as the solution can be rapidly integrated with existing infrastructure
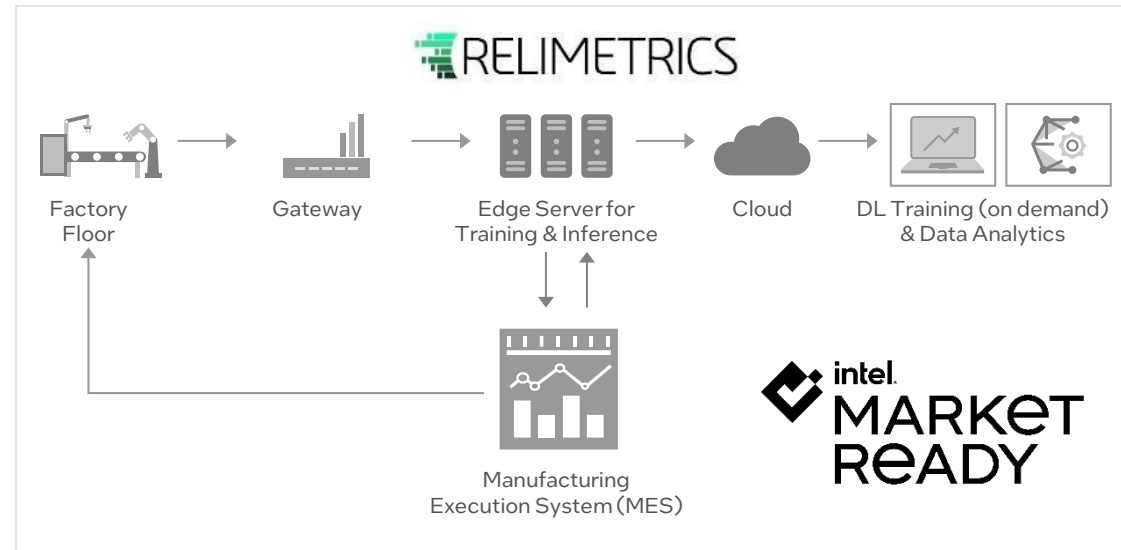
Intel Components

- Intel® Xeon® Processors
- Intel® Core™ i7 Processors
- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Movidius™ VPUs

RELIMETRICS

Factory Floor → Gateway → Edge Server for Training & Inference → Cloud → DL Training (on demand) & Data Analytics

Manufacturing Execution System (MES)

intel MARKET READY

Target Vertical: Manufacturing

Target Use Case: Product Inspection

Geo Availability
Available in USA, EMEA, and APJ

Learn More
- The Relimetrics official website
- The Relimetrics server quality audit system video

RF Controls Overhead CS Smart Antennas for Battery-Free RFID Based Real-Time Location

Solution Overview

The RF Controls solution is an innovative and easy-to-install all-in-one RFID reader and bi-directional steerable phased array antenna. It delivers 2D or 3D pinpoint locational accuracy via a continuous stream of data to identify, locate, and track existing low-cost battery-free RFID tags. The solution enables a digital twin to bridge the supply chain IoT gap while reducing human error, delays, and inefficiency.

Value Props

Increase asset productivity by gaining insights into the operations of your warehouse inventory, equipment, people, and processes

Improve inventory management and loss prevention by monitoring in real-time products, visualizing aging stock dwell time, and more

Achieve higher ROIs by increasing accuracy of tasks and product movements and quickly identifying errors, exceptions, compliance and employee training

Intel Components

Intel® NUC

Identify

Locate

Track

CS-445B

CS-490

50 feet ceiling

30 feet ceiling

Target Vertical: Transportation
Secondary Verticals: Logistics & Smart Warehouse; Smart Factory, Freight, Retail Store & Distribution (POS + EAS), Returnable Transport Items, Cross-Docking

Target Use Case: Asset & Operations Optimization
Secondary Use Cases: Control Optimization & Autonomy; Environment Monitoring; Interactive Media; Logistics & Tracking; Situational Monitoring

Geo Availability Available in the United States, United Kingdom, Canada, Mexico, Europe, India, and Australia

Learn More
- RF Controls Website
- RF Controls Product Demo

intel

SCHOOLNET
LEARNING FOR LIFE

Schoolnet India Limited
K-Class Powered by K-Yan

Solution Overview

Schoolnet K-Class Powered by K-Yan is an end-to-end, portable, and Plug-n-Play digital smart classroom solution. Utilizing a blended learning approach with traditional classroom and multimedia technology, the Schoolnet K-Yan converts any surface to an interactive board using IR technology pre-loaded with digital curriculum content for many different subjects for a more engaging and interactive educational environment.

Value Props

Enhance learning experiences with a solution that utilizes cutting edge technology to create a more engaging learning environment for students

Modernize educational environments through a solution that enables more connectivity and scalability as technology-based education continues to progress and develop

Reduce costs with a budgeted single unit, mobile device that can serve multiple locations and be used as a community computer

Intel Components

Intel® Core™ i3, i5 and i7 Processors
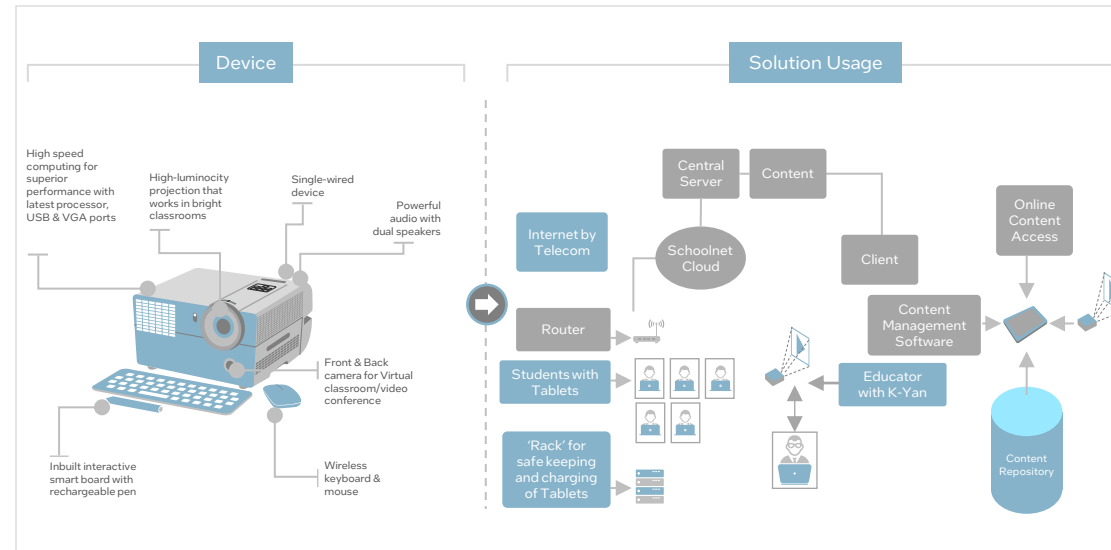
Target Vertical: Education
Secondary Verticals:
Banking/Financial Services, Gaming & Entertainment, Government, Retail

Target Use Case:
Interactive Media

Geo Availability
India, Middle East, North Africa and Turkey, Sub-Saharan Africa

Learn More
- Schoolnet Website
- Schoolnet K-Yan Webpage

Device labels: High speed computing for superior performance with latest processor, USB & VGA ports; High-luminocity projection that works in bright classrooms; Single-wired device; Powerful audio with dual speakers; Front & Back camera for Virtual classroom/video conference; Wireless keyboard & mouse; Inbuilt interactive smart board with rechargeable pen

Solution Usage labels: Central Server; Content; Online Content Access; Internet by Telecom; Schoolnet Cloud; Client; Router; Content Management Software; Students with Tablets; Educator with K-Yan; 'Rack' for safe keeping and charging of Tablets; Content Repository

Seavo Kiosk Peripheral Management and USB Auto-Recovery

Solution Overview

The Seavo Kiosk Peripheral Management and USB Auto-Recovery solution helps users detect and remotely fix peripheral failures in a timely manner, thereby significantly reducing device failure probability and maintenance costs. The solution is a motherboard and software package that can be directly integrated into kiosk system designs.

Value Props

Decrease failure rates and downtime, and provide users with more stable self-service support

Reduce maintenance costs, and lower the frequency of on-site repair and maintenance with remote management capabilities

Enhance kiosk versatility and offer a range of performance options for kiosk customers including quality visual applications

Intel Components

- Intel® KPM Utility
- Intel® Celeron® processors
- Intel® Core™ i7 processors
- Intel® Core™ i5 processors
- Intel® Core™ i3 processors
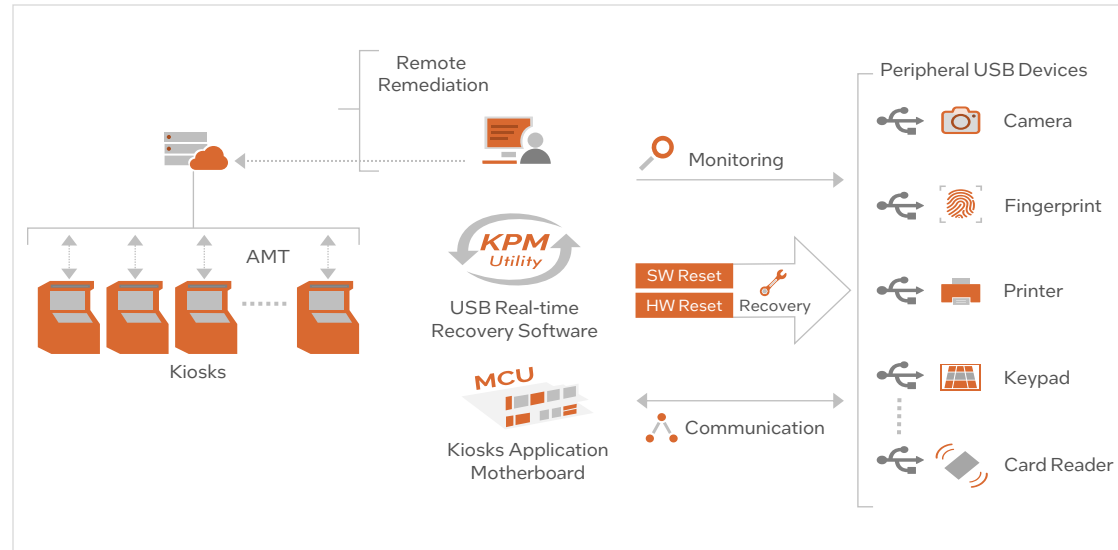
Target Vertical: Retail

Secondary Verticals: Banking/Financial Services; Government; Health & Life Sciences; Hospitality

Target Use Case: Machine Condition Monitoring

Secondary Use Cases: Asset & Operations Optimization; Control Optimization & Autonomy

Geo Availability

South Korea, Taiwan and the People's Republic of China

Learn More

- Seavo - Intel® Solutions Marketplace
- Seavo Technology Website

Seavo Real-Time Face Recognition Gate Access Control

Solution Overview

The solution consists of a Face Recognition Host on an edge device connected to an IP Camera that gathers facial images. The Face Recognition Host enables real-time facial detection and identification at the network edge and supports gate access control and preemptive threat warnings.

Value Props

Decrease overhead by reducing labor costs and eliminating redundancies

Streamline security with smart, connected technologies automating safety procedures

Enhance performance by integrating the solution into current systems at scale

Intel Components

- Intel® Xeon®
- Intel® HD graphics
- Intel® Core™ i5 and i7
- IP Telephoto HD Camera
- Real-Time Face Recognition program
- Unified Management web system
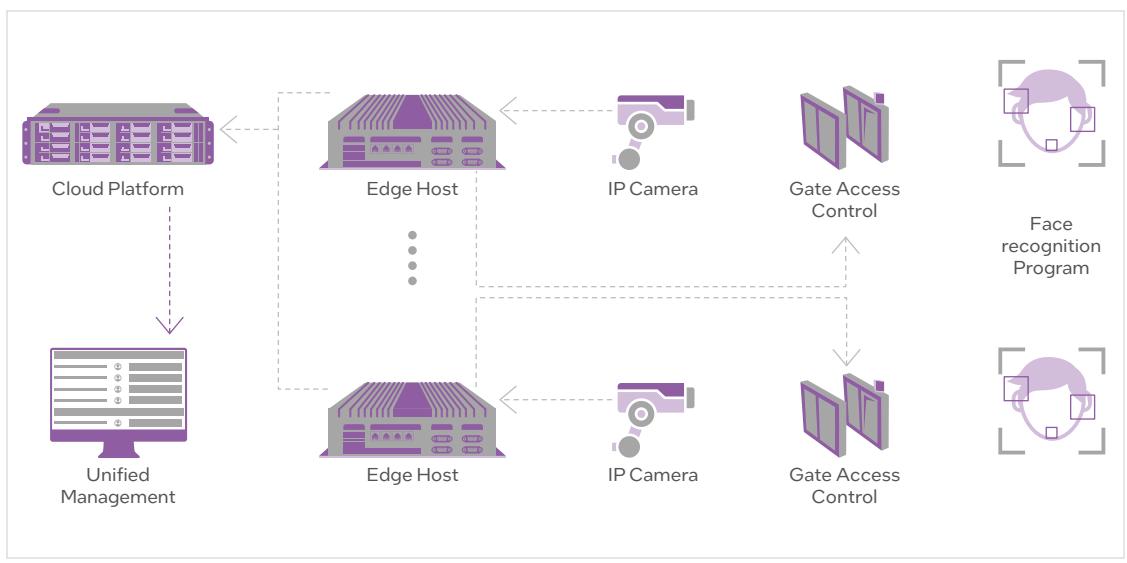
Target Vertical: Government
Secondary Verticals: Retail, Banking/Financial Services, Hospitality, Education, Health & Life Sciences

Target Use Case:
Situational Monitoring
Secondary Use Cases:
Product Inspection

Geo Availability
China

Learn More
- Seavo Real-Time Face Recognition Gate Access Control solution brief
- Seavo Real-Time Face Recognition Gate Access Control product webpage

Cloud Platform · Edge Host · IP Camera · Gate Access Control · Face recognition Program

Unified Management · Edge Host · IP Camera · Gate Access Control

Solution Overview

The Defect Detection on Product Surface – AI Edge Solution uses a series of algorithms to achieve automatic product defect detection, improve detection efficiency, and reduce labor costs.

Value Props

A unique combination of thermal image processing algorithms & deep neural networks

Increased Efficiency
AI-based cv model can automate repetitive inspection tasks, save time and revenue by decreasing the need for manual labor.

Fast Speed
Edge computing and AI enable inspection at millisecond intervals

High Stability
Vision AI do not fatigue like human inspectors, avoiding the risk of missed or incorrect detections.

Improved Accuracy
Inspection results can be easily archived for continuous model optimization.

Intel Components

- Intel® Core
- Intel® OpenVINO

Defect Detection on Product Surface – AI Edge Solution

Data Collection → Image Processing → Defect Detection → Model Optimization → Defects Output → Defects Analysis / Automatic Sorting

High-Definition Industrial Camera
Inspection Zone
Light
Conveyor Belt
Edge AI Box (Defects Detection)
Screen Display
Real-time Alerts
Automatic Sorting

Product surface images captured by high-definition industrial cameras can be automatically analyzed by the edge AI defect detection model, which identified flaws, triggers alerts to sort defective products via hardware, and enables statistical analytics and model optimization.

Sales Guidance: Indicators that the Defect Detection on Product surface – AI Edge Solution may be a good fit.

Assess:
- ❑ Manufacturers looking to automate their inspection processes
- ❑ Manufacturers looking to reduce their labor costs
- ❑ Manufacturers looking to improve defect detection efficiency

Discover:
- ❑ Continuous model optimization by analyzing previous results
- ❑ Increased inspection speed
- ❑ High inspection quality with reduced labor costs

Pain Points:
- ❑ High labor costs
- ❑ High occurrence of human errors
- ❑ Low defect detection efficiency

Primary Industry:
Manufacturing

Primary Use Case:
Product Inspection

Geo Availability:
Asia, Pacific, and Japan, People's Republic of China

Solution Sales Contact:
business@extremevision.com.cn

Intel Sales Contact:
Zhihan Chen
zhihan.chen@intel.com

Solution Webpage:
www.extremevision.com.cn/

Shandong Extreme Vision Co., Ltd. Smart Factory AI Solution

Solution Overview

The Extreme Vision Smart Factory AI Solution is a multi-source monitoring system that provides real-time operational and safety monitoring. The solution uses AI computer vision technologies and algorithms, to achieve all-around and non-dead-angle monitoring and control of a factory's production floor.

Value Props

Improve workplace and worker safety with a solution that helps track unsafe working behaviors and conditions

Increase operational efficiency with real-time actionable notifications from the production floor

Reduce operational costs by delegating hired personnel to other non-security and safety tasks

Kit Components

- Intel® Core™ i3 Processors
- Intel® Core™ i7 Processors
- Intel® Xeon® Scalable Processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Video AI Box
- Intel® Extension for Tensor Flow
- Intel® DevCloud

WEB front-end display	Mobile APP alarm and prompt	Audible and visual alarm	Third-party systems integrated

Front-end Application

Server Module

Algorithm

		Helmet Recognition	Uniform Recognition
Streaming media server → Data Input → Analysis server ↔ Process scheduling → Dispatch server		Flame Recognition	Cross-border Recognition
		Smoking Detection	Leaving Post Detection

Analysis Level

Original camera	New Camera	NVR/DVR	Monitor Machine

Video Source

Target Vertical:
Manufacturing

Secondary Vertical:
Energy

Target Use Case:
Control Optimization & Autonomy

Secondary Use Case:
Energy Monitoring & Management

Geo Availability
APAJ, PRC

Learn More
- Extreme Vision Website
- Extreme Vision - Algorithm Store

Back to
Manufacturing
Solutions

Back to Asset &
Operations Optimization
Use Cases

ShareTech

ShareTech Information
OT Security Solution

Solution Overview

The ShareTech OT Security Solution protects the network security of the OT environment. To prevent and intercept a network vulnerability from being exploited, the OT security solution uses virtual patches and implements code reviews regularly. Additionally, this solution includes advanced settings to avoid invasion.

Value Props

Help secure the OT environment with multiple layers of defense including OPC intrusion prevention, industrial protocol support, and big data analytics

Deploy and manage with ease using quick installation settings, instant alarm notifications, and USB instant recovery

Enhance visibility by leveraging big data analysis, big data learning, and virtual patch to surface vulnerabilities

Intel Components

- Intel® Celeron® Processors
- Intel® i211 Ethernet Controller
- Intel® HD Graphics 500
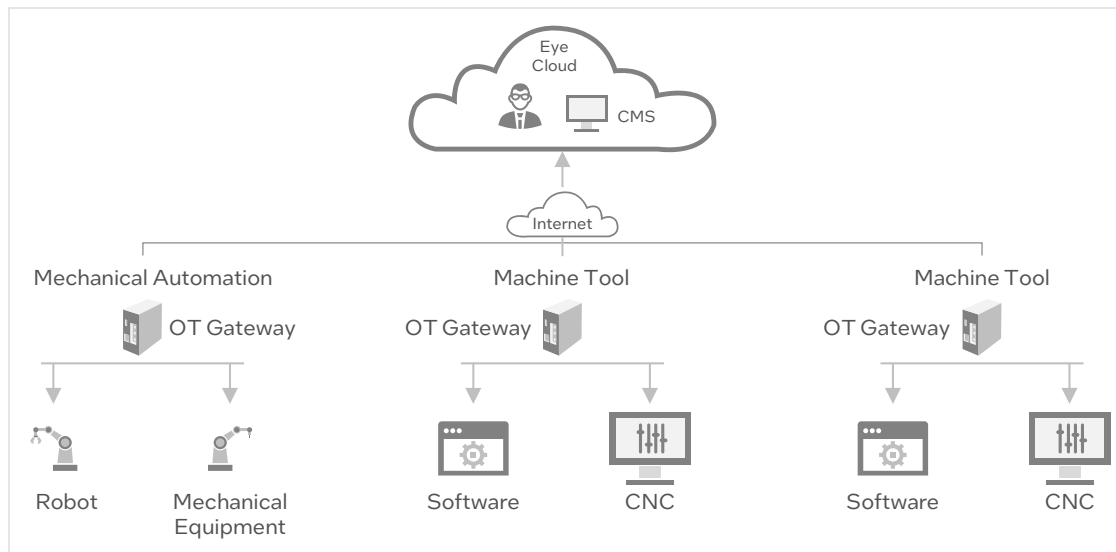
Target Vertical:
Manufacturing

Secondary Vertical: Health & Life Sciences

Target Use Case: Asset & Operations Optimization

Geo Availability

Available in Taiwan

Learn More

- ShareTech home page
- OTS Series (sharetech.com.tw)

Shenzhen Extreme Vision Intelligent Security Check

Solution Overview

The Extreme Vision Intelligent Security Check Solution improves the safety of airports, transit centers, government buildings and other public spaces that require security inspection by identifying potentially dangerous contraband.

Value Props

Improve accuracy of security inspections

Deploy quickly and effectively with a solution that can be deployed within just one hour

Reduce security line wait-times with a fast analysis speed

Intel Components

- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Solid State Drives
- Intel® Core™ i3 processor
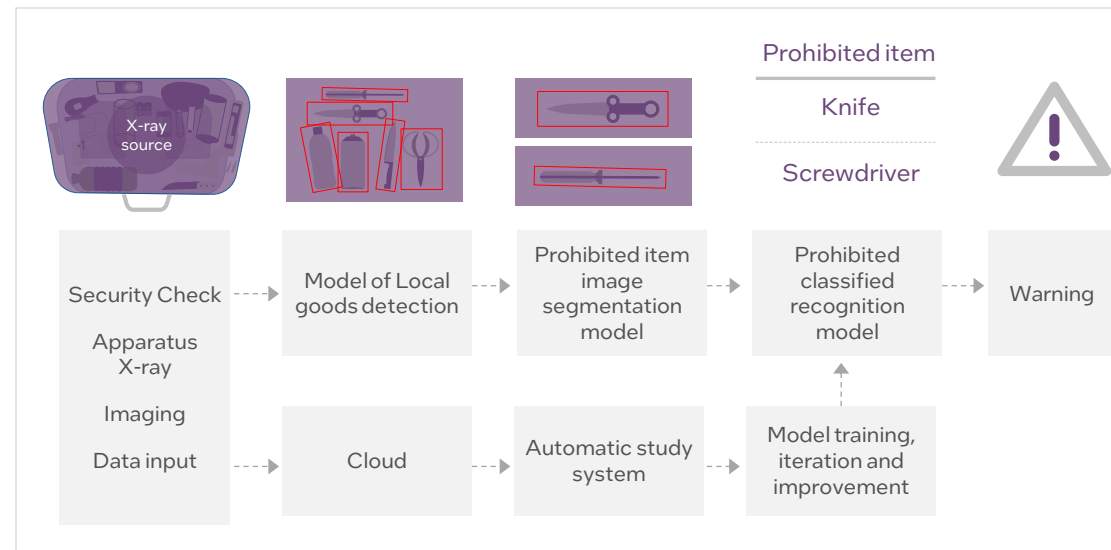
Prohibited item
Knife
Screwdriver

X-ray source

Security Check Apparatus X-ray Imaging Data input → Model of Local goods detection → Prohibited item image segmentation model → Prohibited classified recognition model → Warning

Cloud → Automatic study system → Model training, iteration and improvement

Target Vertical:
Transportation

Target Use Case:
Situational Monitoring
Secondary Use Case:
Product Inspection

Geo Availability
Available worldwide

Learn More
- The Extreme Vision Website

GENEW INTELLIGENT

Shenzhen Genew Intelligent Technology Multifunctional Smart LightPoles

Solution Overview

The future of the light pole is not only in lighting, but also in providing a communication and computing hub for smart cities. With the development of smart poles, Genew Intelligent aims to build a perception layer at the city level and enhance data gathering on traffic, climate, pollution, public facilities status and more. Through data filtering, data analysis, and data fusion, smart poles will assist governments in city-level decision-making provide commercial services to enterprise and public services to citizens. Smart poles can also function as distributed computing edge nodes, allowing many low latency applications to be widely deployable through network connections, on kiosks or through multi-media displays.

Value Props

Enables decision making and information visualizations with advanced analytics on climate, traffic, pollution, public infrastructure monitoring and more

Enhances network and edge capabilities for entire cities with proliferation of 5G cells, Wi-Fi hotpots , and edge computing nodes

Automates and optimizes smart city operations with integrated modules and algorithms for smart lighting, traffic signal regulation, LED advertising, and facilities status monitoring

Intel Components

- Intel® Core™ i3 processors
- Intel® Core™ i5 processors
- Intel® Core™ i7 processors
- Intel® Distribution of OpenVINO™ Toolkit

Solution Diagram

Lights | SOS Button | Camera | LED Screen

MEC (Intel Inside)

Optical/RJ45

Switch

4G/5G

Optical Network

Genew Intelligent Smart Pole Management Platform

RJ45

Inference Server (Intel Inside)

Public Infrastructure Management

Smart Traffic

Smart Lighting
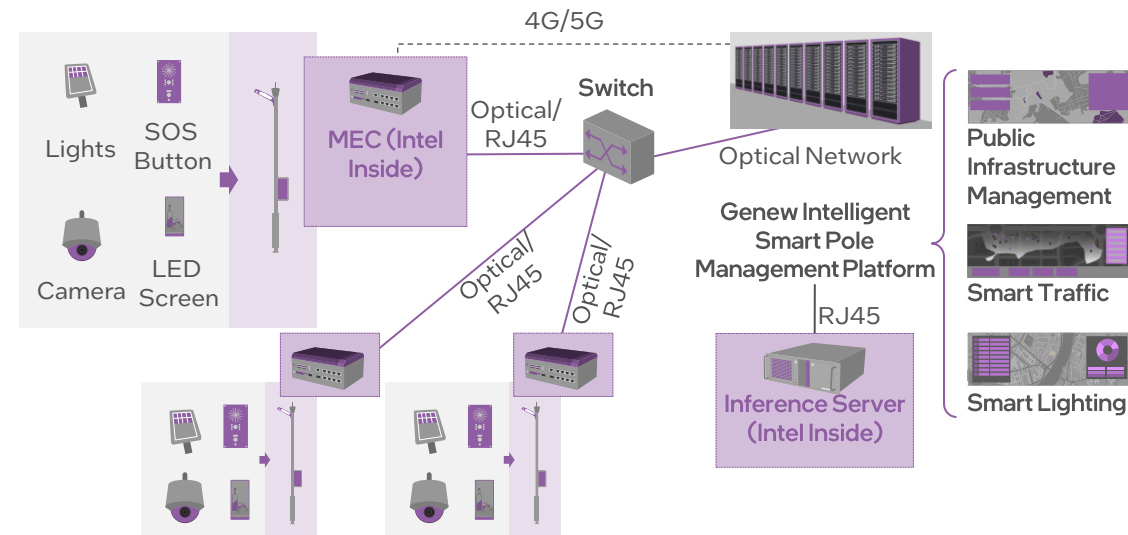
Target Vertical:
Government

Secondary Vertical:
Energy

Target Use Case:
Environmental Monitoring

Geo Availability
Europe, Middle East, Africa, People's Republic of China

Learn More
- 首页 | Genew Intelligent (gnaiot.com)

Shenzhen JHCTECH Road Pricing Inspection System

Solution Overview

The JHCTECH Road Pricing Inspection System assesses and manages tolls for passing vehicles and detects vehicle violations. Detectable violations can include illegal modification, missing or obstructed vehicle registration, and oversized or overweight vehicles. The system then automatically flags offending vehicles and charges any corresponding fees or penalties.

Value Props

Maintain traffic flow and efficiency by eliminating slops for manual inspection

Quickly and accurately assess and distribute fees, minimizing processing time and expense

Create safer roads with immediate response to offending vehicles and driver actions

Intel Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel Atom® Processors
- Intel® Core™ Processors
- Intel ® Movidius® MA2485 VPU

Lane front subsystem	Section front subsystem	Section center subsystem	Provincial network Center subsystem
Front lane toll AI identification	AI edge computer	A road center AI host	A provincial center AI recognition
Service area In/out AI identification	Car face snapshot	B road center AI host	N provincial center AI recognition
Lane capture image	ETC virtual station snapshot	C road center AI host	Provincial adult platform Application server
	Service area car face snapshot	N road center AI host	

Target Vertical: Transportation

Target Use Case: Logistics & Tracking

Geo Availability
- Hardware and software are available internationally
- JHCTECH-provided support is available within PRC

Learn More
- JHC Technology Homepage

Shenzhen SED Initta Intelligent POS Solution

Solution Overview

Through its modular design, the Intelligent POS is deployed with 10.1 or 15.6 inch displays and customized to fit a wide range of floor plans and business needs. Depending on the integration, other hardware such as the integrated facial-recognition scanner, card reader, other frictionless payment scanners, and receipt printers may also be installed. All hardware is then linked to SED's specialized software. All data is captured at the edge during the user-interface and facial recognition data is provided a safe means of transmission for user protection. This data is then ported to on-premise or off-premise cloud storage where it is further secured and analyzed by the Shenzhen SED software, and can be used to help businesses manage promotions, distribute advertising, alert associates for customer assistance, and provide a wide range of helpful analytics.

Value Props

**Deliver excellent customer experiences** through a modular combination of hardware capable of improving customer experience by meeting a wide range of customer needs

Streamline in-store operations through hardware and software solutions that connect customers with assistance and helps employees prioritize time

Minimize the costs of retail business digital transformation by reducing expenses through a system designed for seamless integration, scalability, and durability
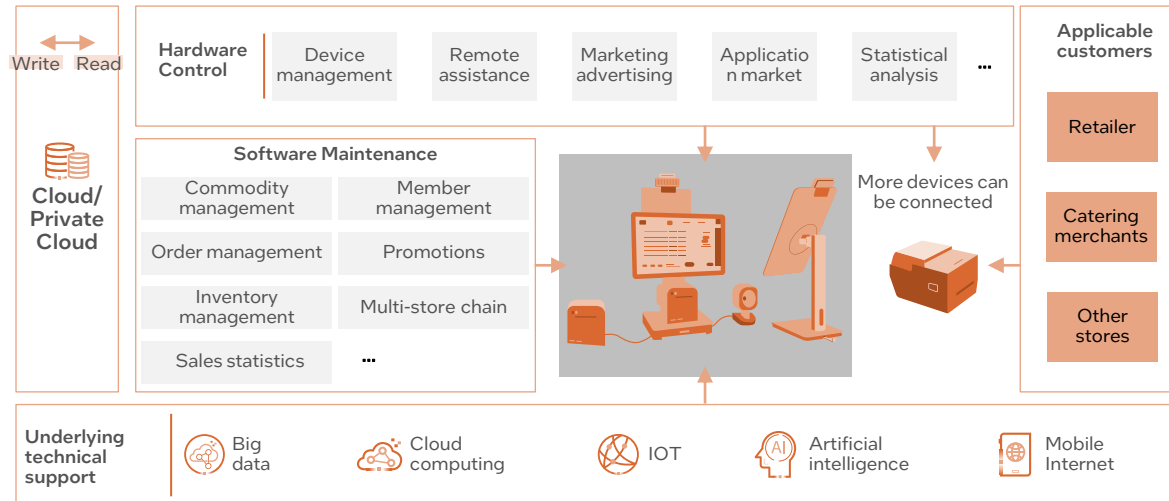
Target Vertical:
Retail

Target Use Case:
Interactive Media

Geo Availability
APJ, Americas, Europe, Middle East, Africa, and People's Republic of China

Learn More
- Initta Website
- SED Initta Intelligent POS Video
- SED Initta Intelligent POS Solution Page

Kit Components

- Intel® Core™ processors
- Intel® Atom® processors
- Intel® Celeron® processors
- Intel® Distribution of OpenVINO™ toolkit

Shinsegae I&C Spharos Cloud POS

Solution Overview

Retailers have long struggled with traditional POS systems that lack features and customization, require complex management, have weak data security, and often come with high development, maintenance, and repair costs. The Spharos Cloud POS from Shinsegae I&C addresses these challenges and streamlines retail operations by providing a highly customizable solution that seamlessly integrates POS systems with a wide range of devices and services like mobile order apps, kitchen display systems (KDS), direct information display (DID), kiosks, and vending machines. This innovative solution allows users to personalize their POS by selecting functions from a wide range of value-adding cloud services and empowers businesses with real-time customer data collection, sales monitoring, and CRM integration which power advanced reporting and analytics. Further, the Spharos Cloud POS leverages this data to provide actionable insights that help businesses optimize business operations, enhance service, and provide an unparalleled customer experience.

Value Props

Improve user experiences with a personalized POS system that allows retailers to hand-select features they wish to use and disable features they don't to streamline POS operations and improve functionality.

Economically operate a wide-range of equipment by integrating POS, self-checkout, and kiosk, functions into tablets and mobile devices that support the deployment of new payment methods without additional development.

Gain valuable insights with CRM integration that collects data to provide information about customer behavior, preferences, and purchasing patterns to enable informed business decisions.

Intel Components

- Intel® Core™ i3, i5, i7 processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Ethernet Controllers
- Intel® Media SDK
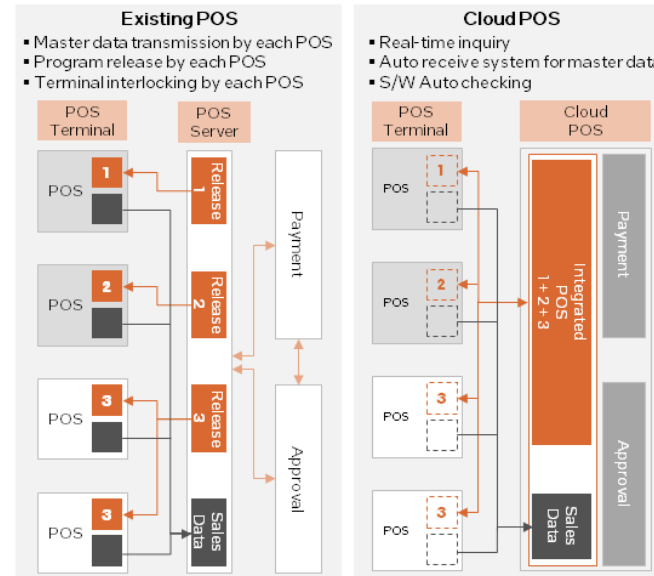
Target Vertical:
Retail

Secondary Vertical:
Hospitality and Restaurants

Partner Designated Verticals:
Food and Beverage, Franchising, Unmanned Stores

Target Use Case:
Situational Monitoring

Geo Availability
Asia, Pacific, Europe, Middle East, and North America

Learn More
- Explore Cloud POS solutions
- Contact us
- Learn more about SHINSEGAE I&C
- Visit the Spharos homepage

Sindrax Intelligent Gamified Kids (Pre-school) Education System

Solution Overview

An array of digital interactive gamified education products for 2-6 year old kids. These solutions help transform traditional spaces into interactive learning opportunities.

Value Props

Promote interactive learning by introducing children to immersive educational tools

Track behavioral data to enable adaptive learning

Create technological familiarity with digital activities and games that catered towards young minds

Intel Components

- Intel® Core™ i3 processors
- Intel® Pentium® processors

Target Vertical: Education
Secondary Verticals: Retail, Hospitality, Government
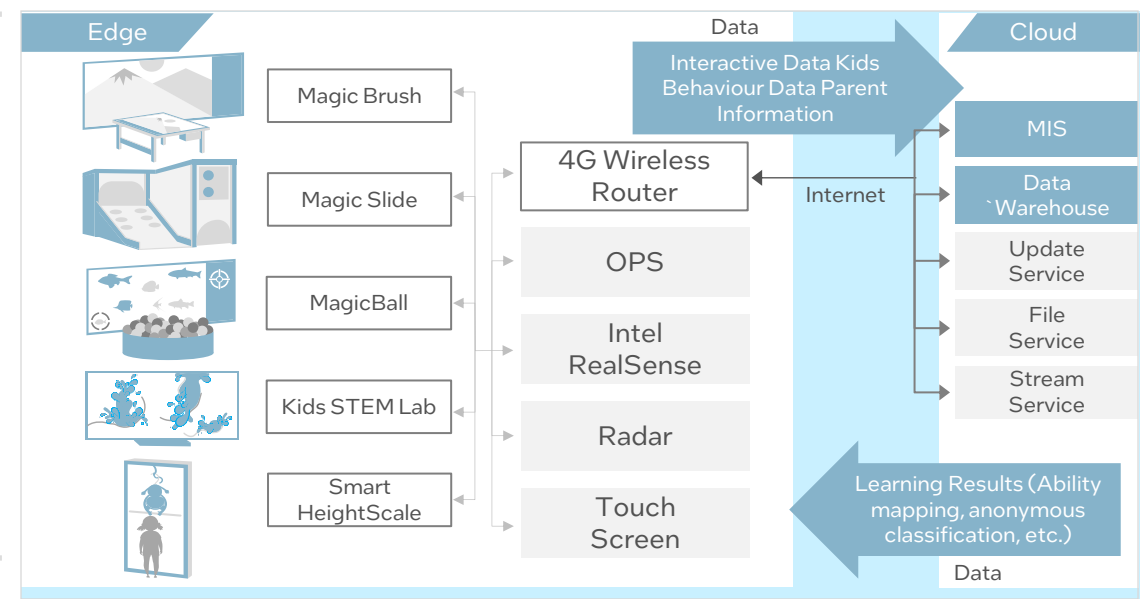
Target Use Case:
Interactive Media

Geo Availability
PRC, Southeast Asia, Russia, North America, and Middle East

Learn More
- Sindrax Website

Edge — Magic Brush, Magic Slide, MagicBall, Kids STEM Lab, Smart HeightScale → 4G Wireless Router, OPS, Intel RealSense, Radar, Touch Screen → Internet → Cloud — MIS, Data Warehouse, Update Service, File Service, Stream Service

Data — Interactive Data Kids Behaviour Data Parent Information

Learning Results (Ability mapping, anonymous classification, etc.)

SINDRAX®
新爵科技 智造快乐

Sindrax Technology Interactive Multimedia Sports Game

Solution Overview

The Interactive Multimedia Sports Game Solution combines cutting-edge technologies such as motion sensor technology and interactive projection systems with traditional sports games to provide interactive recreation and community fun at play areas like trampoline parks and gyms.

Value Props

Enhance multimedia performance with cutting-edge visual and kinetic technologies through an interactive projection system

Increase player engagement through a gamified platform that digitizes traditional sports to inspire interest in physical activity

Lower operational costs with a simple, single-time hardware installment and centralized content management system to support content upgrades with ease

Intel Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel® Core™ i3 processors

Remotes
Space Climbing
Space Football
Space Basketball
Space Clay Shooting
Crazy Trampoline

Depth Stream RGB Stream
Skeleton Data Motion Data

4G Wireless Router
OPS
Intel® Realsense™
Radar

Data
Interactive Data User Behavior Data

Cloud
MIS
Data Warehouse
Update Service
File Service

Physical Development Results (Anonymous Classification)
Data

- Intel® Core™ i5 processors
- Intel® RealSense™ Vision Processor
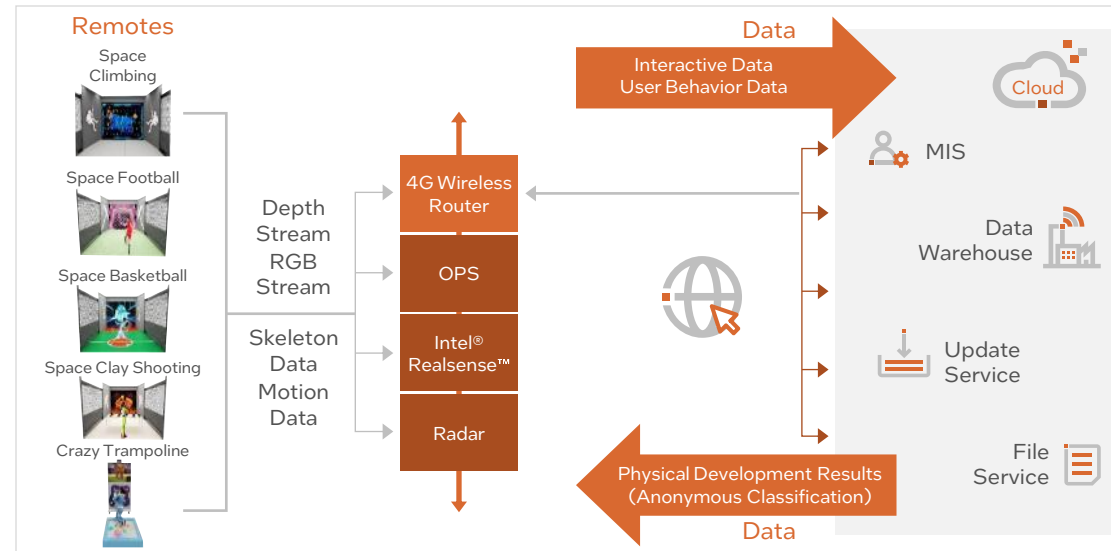
Target Vertical: Retail
Secondary Verticals: Education, Hospitality, Gaming & Entertainment

Target Use Case: Interactive Media
Secondary Use Cases: Situational Monitoring

Geo Availability
Globally

Learn More
- Sindrax Technology Solution Webpage
- Intel MRS Solution Documentation
- Solution Exhibition Information

Smart Board Interactive Display with Smart Ops PC

Solution Overview

SMART Board Interactive Displays with SMART OPS PC provide a comprehensive and simple solution for remote collaboration and distance learning. SMART Board Interactive displays, remote device management, and SMART accessories help people stay connected, businesses maintain productivity, and schools enhance learning.

Value Props

Transform your business by creating flexible, dynamic workplaces that empower people to collaborate

Support remote operations for seamless user experiences

Reduce implementation time with an intuitive interface that encourages quick adoption

Intel Components
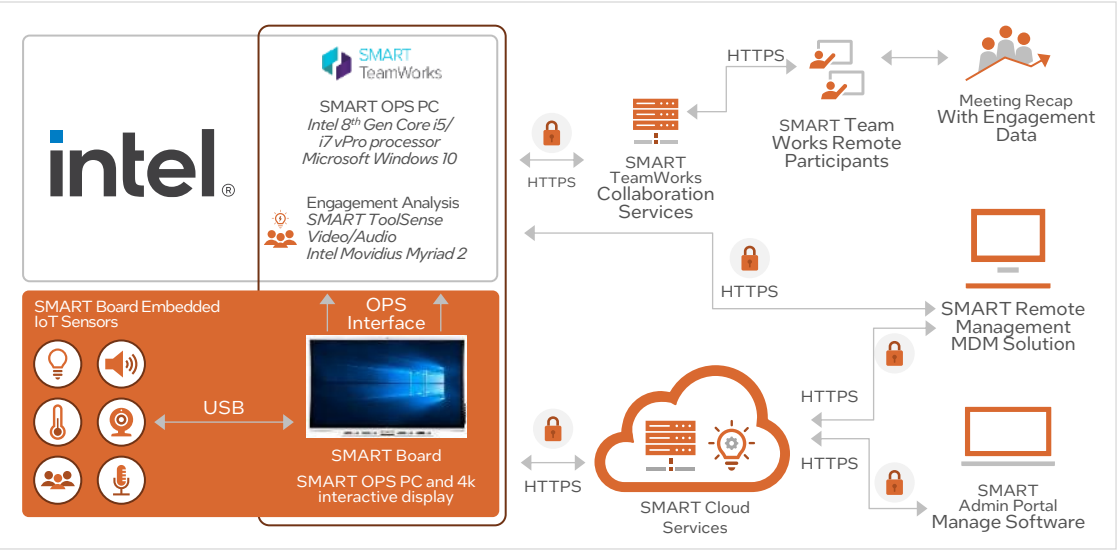
- Intel® Core™ i3 Processors
- Intel® Core™ i5 Processors

SMART OPS PC
Intel 8th Gen Core i5/ i7 vPro processor
Microsoft Windows 10

Engagement Analysis
SMART ToolSense
Video/Audio
Intel Movidius Myriad 2

SMART Board Embedded IoT Sensors

OPS Interface

USB

SMART Board
SMART OPS PC and 4k interactive display

HTTPS — SMART TeamWorks Collaboration Services
SMART Team Works Remote Participants
Meeting Recap With Engagement Data
SMART Remote Management MDM Solution
SMART Cloud Services
SMART Admin Portal Manage Software

Target Vertical: Retail

Secondary Verticals: Education; Government

Target Use Case: Interactive Media

Geo Availability

North America, LATAM, EMEA, APAC

Learn More
- New 7000R SMART Board Video
- SMART Teamworks Video
- New in SLSO Video

SMRT1 POD

Solution Overview

SMRT1 POD is an interactive, cloud-connected, smart dispensing solution that provides an engaging, frictionless, convenient, customer experience. Businesses are empowered with tailored real-time dashboard analytics to help make informed data-driven decisions.

Value Props

Grow profits with display screen prompts promoting customers to increase their average order size

Gain actionable insights with customer interaction analytics

Adapt to different scenarios with flexible features such as temperature controlled for food safety, smart lockers for curbside pickup, and more

Intel Components

- Intel® Core™ i7
- Intel Reference Design for Intelligent Vending
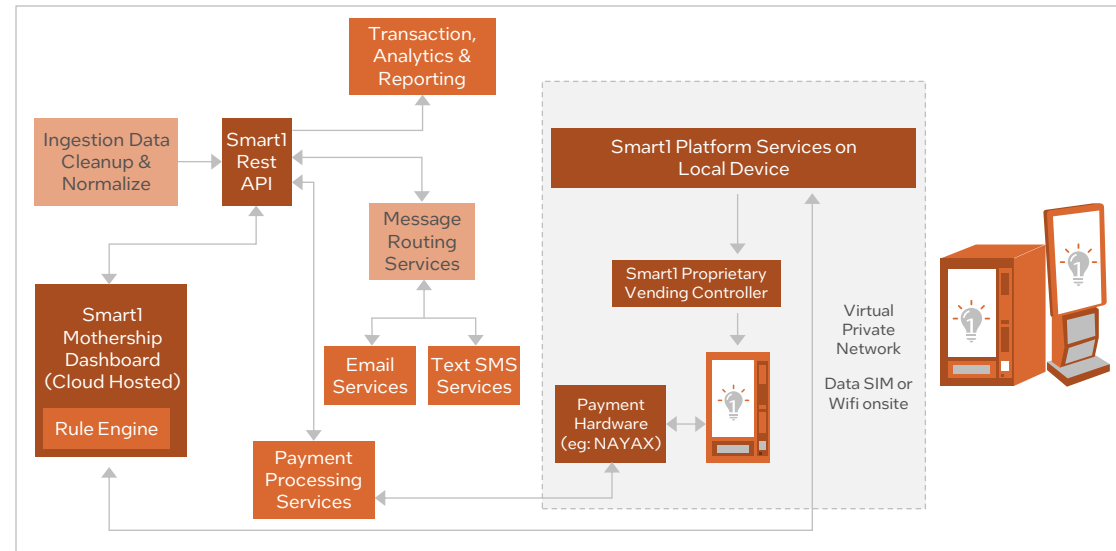
Target Vertical: Retail

Secondary Verticals: Health & Life Sciences

Target Use Case: Control Optimization & Autonomy

Secondary Use Cases: Asset & Operations Optimization; Human Wellness Monitoring; Interactive Media; Situational Monitoring

Geo Availability

Available in Brazil, Canada, Mexico, United States, Other Americas

Learn More

- SMRT1 Homepage

JOI®

SNS Network SDN BHD
JOI Smart Classroom

◼ Solution Overview

JOI® Smart Classroom provides a flexible learning approach for school environments. Teachers can stay in touch with their students, control student access to the content, and assess each student through progress monitoring and behavioral analytic features.

◼ Value Props

Increase educational outcomes through holistic education with a program that promotes the higher-level thinking skills

Broaden the reach of education with remote teaching features

Tailor learning to students with behavioral analytics and other digital learning features
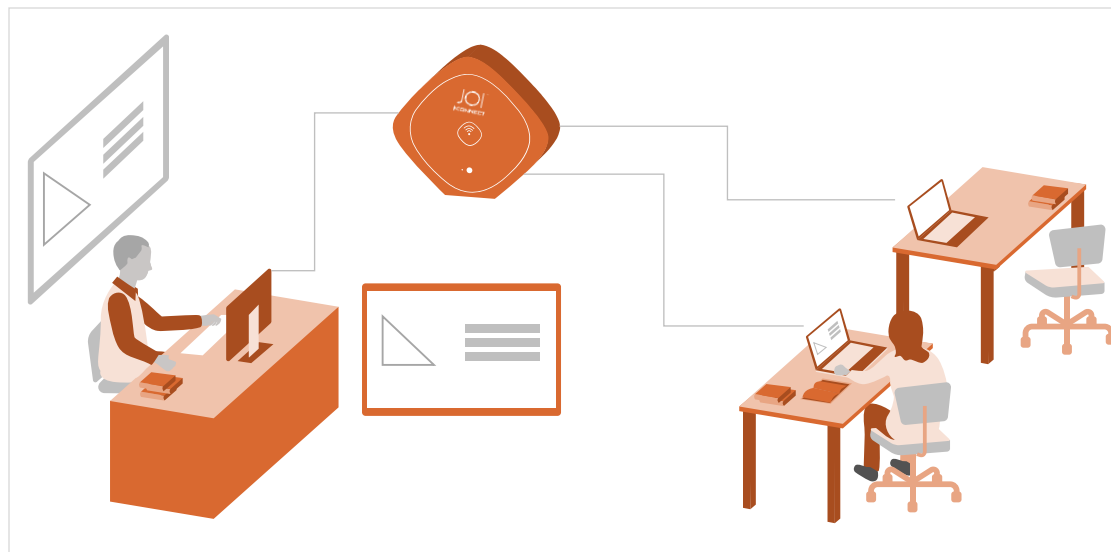
◼ Intel Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel Atom® Processors
- Intel® Celeron® Processors
- Intel® Core™ i3, i5, and i7 Processors

Target Vertical: Retail, Education

Target Use Case: Asset & Operations Optimization

Secondary Use Cases: Interactive Media, Human Wellness Monitoring

Geo Availability

Available in South East Asia

Learn More
- SNS Network SDN BHD JOI Smart Classroom website
- JOI Smart Classroom video

Solution Overview

SolVision AI vision software optimizes inspections with Solomon's unique rapid AI model training for superior defect detection, item classification, optical character recognition, and presence/absence checks. This solution reduces inspection time and boosts accuracy compared to manual and less advanced systems, ensuring manufacturers meet high quality standards. SolVision seamlessly integrates with several industrial cameras and includes built-in PLC communications via TCP/IP and Modbus protocols at no extra cost. Ideal for manufacturing, food and beverage, textiles, electronics, and more, SolVision's advanced features cater to diverse industry needs, guaranteeing accuracy and high quality.
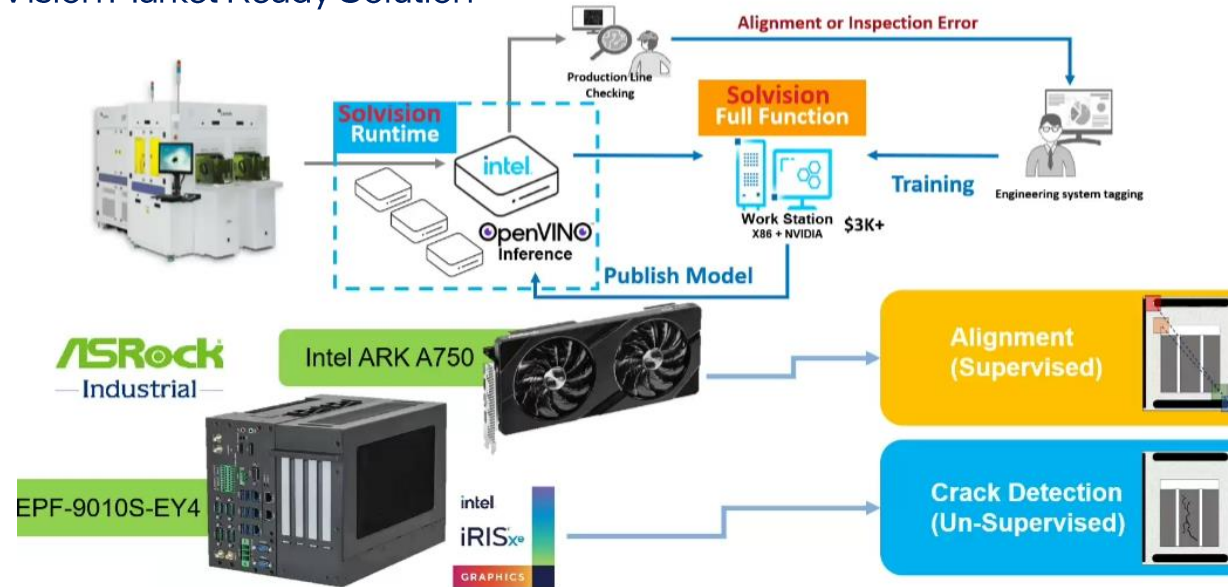
Value Props

- Enables high-performance inference
- Small footprint, easy to deploy
- Optimizes deep learning workloads
- Reduces hardware expenses & system integration costs

Intel Components

- Intel® Core™
- Intel® Ethernet Adapters
- Intel® Ethernet Controllers
- Intel® OpenVINO™

SolVision Market Ready Solution

Primary Industry: Manufacturing

Primary Use Case: Machine Condition Monitoring

Additional Use Cases: Product Inspection

Geo Availability: Global

Solution Sales Contact: https://Solomon-3d.com/contact-us-2/

Intel Sales Contact: Brenda Yeap brenda.yeap@intel.com

Solution Webpage: https://www.solomon-3d.com/solomon-vision/

Sales Guidance: Indicators that the SolVision solution may be a good fit.

Assess:
- Manufacturers wanting to improve end product quality
- Manufacturers looking to streamline and/or scale current defect detection processes
- Manufacturers exploring AI to improve current inspection process

Discover:
- Maintain high inference capabilities while minimizing hardware footprint and costs
- Integrate with existing infrastructure to minimize set-up/upgrade costs

Pain Points:
- High staffing costs from manual inspections
- Missed defects due to manual inspections
- Large footprint of current visual detection solution

Sophic Automation Sdn Bhd Manufacturing Lights Off

Solution Overview

Manufacturers are looking for ways to increase operational efficiency while simultaneously decreasing operating costs to improve employee working conditions and manufacturing throughput. Sophic Automation Sdn Bhd Manufacturing Lights Off solution analyzes machine operations data to provide predictive maintenance, remote service, connected logistics, and optimize asset performance management to enable industry 4.0 smart factories.

Value Props

Optimize production operations with an easy-to-use performance management system that monitors machine throughput performance

Reduce machine down-time with predictive maintenance that reduces overall production errors

Reduce operational costs by connecting multiple production machines to a single operator through remote access and connected logistics

Intel Components

- Intel® Celeron® Processors
- Intel® Xeon® Silver Processor
- Intel® Core™ i7 Processors
- Intel® Core™ i5 Processors
- Intel® Xeon® Processor E5
- Intel® Distribution of OpenVINO™ toolkit
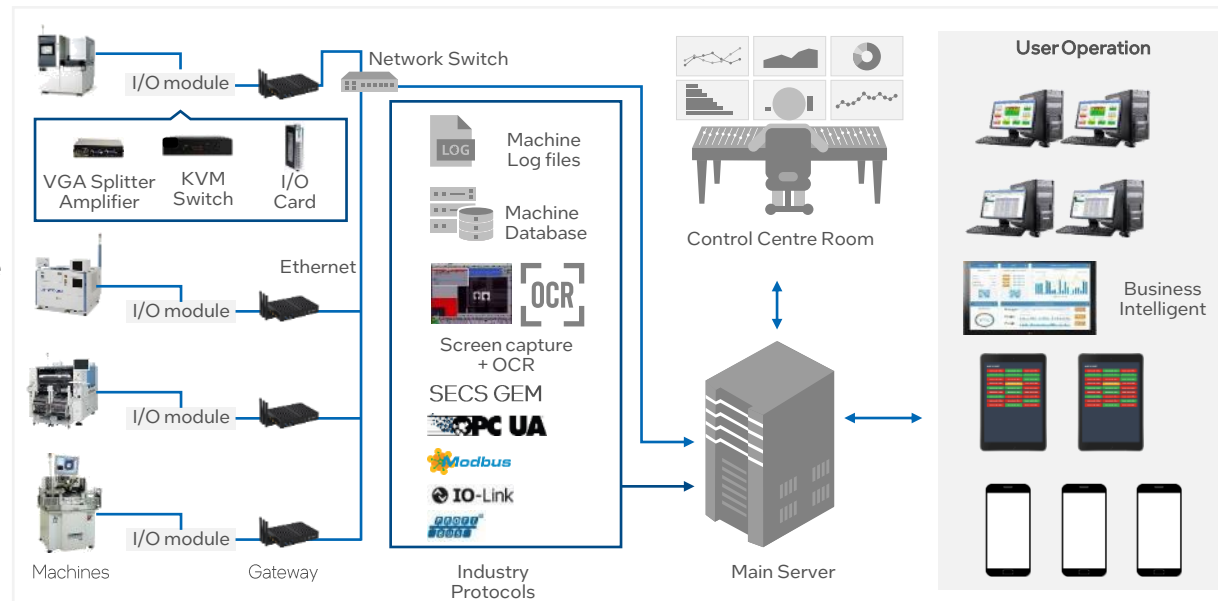
Diagram labels

Network Switch

I/O module

VGA Splitter Amplifier | KVM Switch | I/O Card

Ethernet

I/O module

I/O module

I/O module

Machines | Gateway

LOG — Machine Log files

Machine Database

OCR — Screen capture + OCR

SECS GEM

OPC UA

Modbus

IO-Link

Industry Protocols

Control Centre Room

Main Server

User Operation

Business Intelligent

Target Vertical:
Manufacturing

Target Use Case:
Machine Condition Monitoring

Geo Availability
APJ

Learn More
- Sophic Automation Home
- SMARTer Machine Automation

Staqu Technologies JARVIS For Manufacturing

Solution Overview

JARVIS for Manufacturing by Staqu Technologies is an audio and video analytics solution that converts standard existing cameras into smart cameras with intelligent monitoring capabilities of persons, objects, perimeter, and vehicles. With JARVIS, manufacturing facilities can benefit from centralized monitoring of cameras, intelligent insights, automated real-time alerts, and quality inspection monitoring.

Value Props

Enhance safety and security with a solution that automates detection of unusual activity, employee safety compliance, and alerts staff in near real-time

Increase profits with a quick ROI as the solution helps reduce theft and pilferage costs, and excess security manpower costs

Improve efficiency and productivity by implementing artificial intelligence to ensure staff productivity and efficiency across various business units

Target Vertical:
Manufacturing

Secondary Vertical:
Government

Target Use Case:
Situational Monitoring

Geo Availability
Canada, United States, India, Middle East, North Africa, and Turkey

Learn More
- Staqu JARVIS Homepage
- JARVIS by Staqu Youtube and Video Testimonials

JARVIS Architecture — On-Prem Deployment Using Kubernetes. Cameras on Internal trusted network; Intel Edge/On-Prem Servers; Application Loadbalancer; Streaming Pod; Pod[s] for config Management, Frame Processing and Client Dashboard; MySQL DB; Task for Processing; Processed Result; AI Model; Redis Pod; Firewall (Optional); Internet; Azure/AWS Cloud for Pushing Updates and Hotfixes; Client Dashboard (Mobile Apps); Client Dashboard (Desktop). OpenVino [2021.3], Intel® Xeon Servers, Dev cloud.

Intel Components

- Intel® Xeon® SP Silver
- Intel® Xeon® SP Gold
- Intel® Vision Accelerator Design With Intel® Movidius™

VPU
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Core™ i7 Processors

ST Engineering
AGIL Smart Car Park Suite

◼ Solution Overview

The AGIL Smart Car Park suite unifies all car park operations on a single robust, cloud-based platform to provide convenient and seamless car parking services. The solution enables real-time visibility and valuable analytics on car park operations, such as occupancy status and fee collection, to optimize parking space utilization, improve operational efficiency, and streamline maintenance.

◼ Value Props

Decrease operational costs by reducing manual labor and replacing ticketing and parking meters with cashless payment

Increase revenue potential with dynamic or premium pricing models and data analytics for effective and targeted enforcement

Leverage actionable insights through data analytics that use drivers' parking behavior to optimize parking lot allocation, enhance city planning, and display targeted advertisements

◼ Kit Components

- Intel® Core™ i5 Processors
- Intel® Movidius™ VPUs
- Intel® Distribution of OpenVINO™ Toolkit

Diagram

Drive in — Automatic Verification & Entry to Car Park

Drive out — Automatic Verification & Exit to Car Park

Start Time Record → Cloud Based Backend System

End Time Record

Payment Confirmation

Cloud Based Backend System — Initiate Payment / Payment Record

QR Payment for Ad-Hoc Users

Payment through App
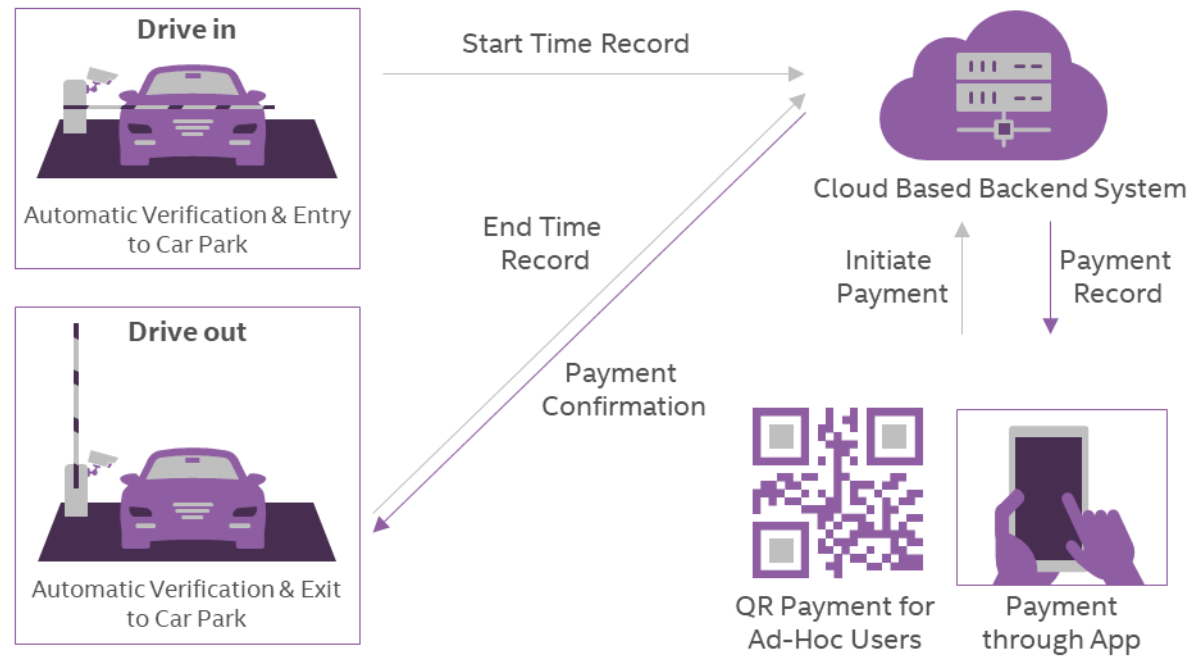
Target Vertical:
Government

Secondary Vertical:
Banking/Financial Services, Education, Health & Life Sciences, Hospitality, Retail, Transportation

Target Use Case:
Situational Monitoring

Secondary Use Case:
Asset & Operations Optimization, Product Inspection

Geo Availability
Singapore, Myanmar, Malaysia, Vietnam, Philippines, Middle East

Learn More
- ST Engineering Website
- AGIL Smart Car Park Suite Website

Solution Overview

50% of LTCs have low staffing levels , and demand for long-term care services is expected to double by 2050 (US data). A higher patient-to-nurse ratio increases mortality by 5%. The digital contactless patient monitoring twin solution enhances the care and safety of hospital and long-term care patients by adding a remotely monitored, easy-to-deploy, non-intrusive vitals sensor to every bed. Detect potential emergent clinically actionable events from live-streaming T60 vital sensor. From data to decisions, the need for solutions that alert clinicians to emergent, clinically actional events is increasing due to the rising acuity level of patients throughout the hospital, and the continuing shortage of nurses and other care providers.

Value Props

Higher Safety
Get real-time, customizable health alerts for every patient in your facility and help staff quickly and effectively respond.
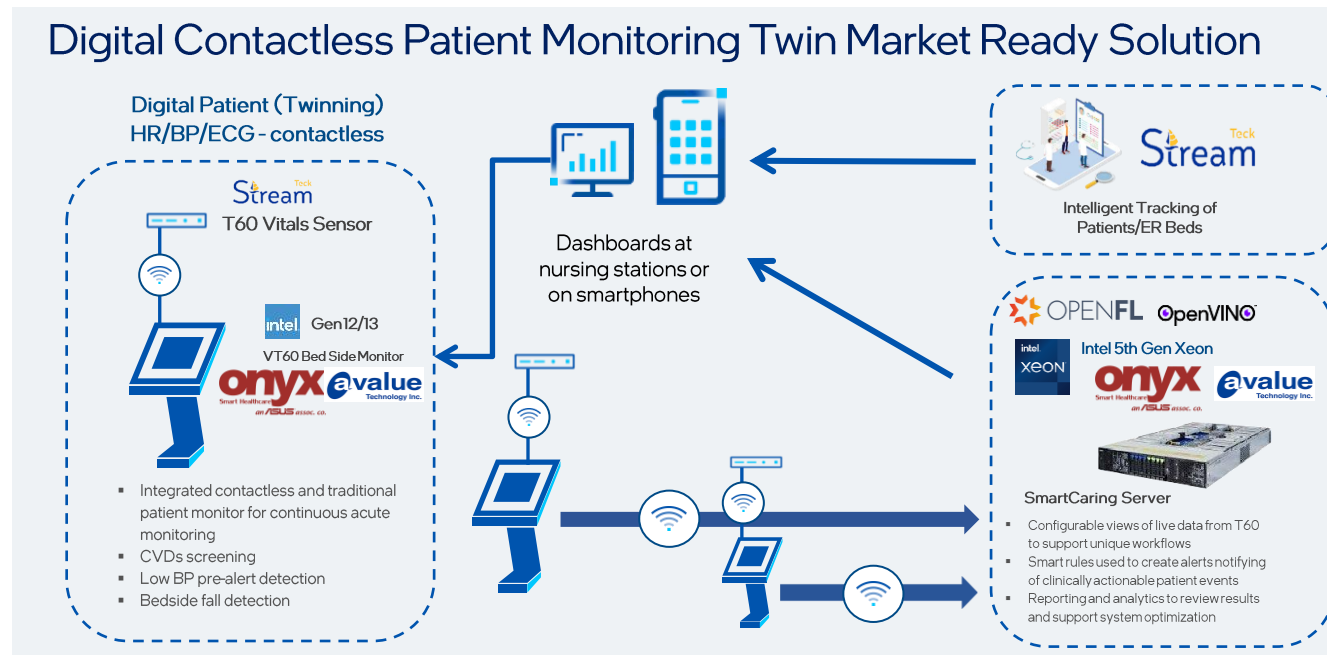
Better Care
Provide each patient the personalized care they need without increasing staff or having to interrupt patients for vitals checks.

Lower Costs
Improve operational efficiency of your facility and your staff costs with effective, easy-to-install wireless sensors.

Intel Components

- Intel® OpenVINO™
- Intel® Xeon®
- Intel® Core™

Digital Contactless Patient Monitoring Twin Market Ready Solution

Digital Patient (Twinning)
HR/BP/ECG - contactless

T60 Vitals Sensor

Intel Gen12/13

VT60 Bed Side Monitor
onyx avalue Technology Inc.
Smart Healthcare an ASUS assoc. co.

- Integrated contactless and traditional patient monitor for continuous acute monitoring
- CVDs screening
- Low BP pre-alert detection
- Bedside fall detection

Dashboards at nursing stations or on smartphones

Intelligent Tracking of Patients/ER Beds

OPENFL OpenVINO

intel Xeon Intel 5th Gen Xeon
onyx avalue Technology Inc.
Smart Healthcare an ASUS assoc. co.

SmartCaring Server
- Configurable views of live data from T60 to support unique workflows
- Smart rules used to create alerts notifying of clinically actionable patient events
- Reporting and analytics to review results and support system optimization

Sales Guidance: Indicators that the Digital Contactless Patient Monitoring Twin solution may be a good fit.

Assess:
☐ Healthcare settings experiencing staffing issues
☐ Healthcare settings wanting to reduce staffing costs
☐ Healthcare settings looking to improve customer satisfaction/experience

Discover:
☐ Monitor continuously with zero intervention
☐ Easily identify of alerts, vacancies, and connectivity issues with a singular view of all beds
☐ Access graphs and reports of both real-time and historical patient data

Pain Points:
☐ Manual vital assessment
☐ Discomfort of wired monitoring
☐ High mortality/hospitalization rates

Industry:
Health & Life Sciences

Use Case:
Human Wellness Monitoring

Geo Availability:
Asia, Pacific and Japan, Americas

Solution Sales Contact:
Ken Hsieh
ken.hsieh@streamteck.com

Rick Su
rick@streamteck.com

Intel Sales Contact:
Lawrence Lee
lawrence.lee@intel.com

Solution Webpage:
www.streamteck.com

intel. MARKET READY

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Supermicro Intelligent Secure Edge

Solution Overview

Combining the power of Supermicro intelligent security with the reliable Intel components and VSBLTY's AI/ML-based insights , the Supermicro RADAR platform equips users with key data insights and automated system management for critical event detection, automatic alarms, mechanical triggers, and more. Supermicro RADAR Secure Edge provides customers with the means to achieve greater transparency, efficiency, and safety in complex environments.

Value Props

Helps manage safety and environmental quality with a system capable that can help optimize traffic flows, air quality, logistics, energy, and more

Empower response **teams** with "Smart Sensing" technology that empowers business with the ability to monitor localized events

Promote intelligent decision-making through VSBLTY AI-led actionable insights to help reduce inefficiencies

Optimize existing budgets by using intelligent Secure Edge's tools to mitigate redundancies and increase transparency by the ISE's data and insights generator

Intel Components

- Intel® Xeon® Processors
- Intel® Distribution of OpenVINO™ Toolkit
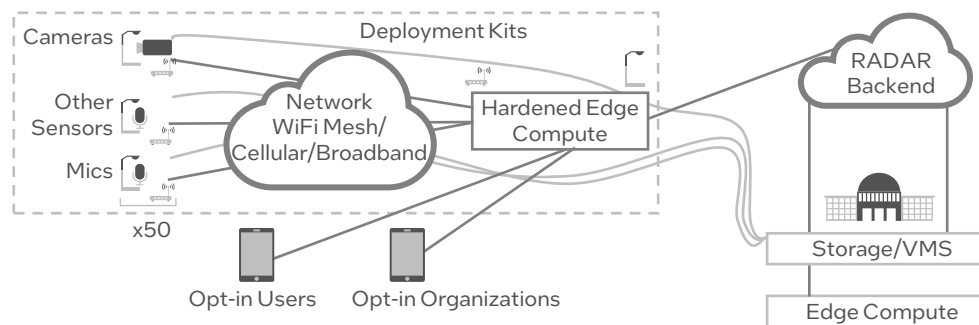
Target Vertical:
Industrial, Manufacturing
Secondary Verticals:
Agriculture, Energy, Hospitality, Retail, Transportation

Target Use Case:
Control Optimization and Autonomy
Secondary Use Case:
Human Wellness Monitoring, Situational Monitoring

Geo Availability
Asia, Pacific, and Japan, Americas, Europe, Middle East, and Africa

Sales Contact
Jeff Sharpe
JeffSharpe@Supermicro.com

Learn More
- Supermicro IoT Edge-Extending Intelligence to Connected Devices
- About Us | Supermicro

Diagram: Cameras, Other Sensors, Mics → Network WiFi Mesh/Cellular/Broadband → Hardened Edge Compute → RADAR Backend, Storage/VMS, Edge Compute. Deployment Kits x50, Opt-in Users, Opt-in Organizations.

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Solution Overview

The Switch Automation Platform helps real estate owners and operators to decarbonize assets and digitize operations. By using advanced machine learning and AI to unify building data and systems, it enhances decision-making, reduces costs, and improves occupant experience.

Value Props

Harness the Power of Data
Apply analytics, analyze equipment and building performance, and identify opportunities for optimization.

Visualize Your Operations
Workspaces are configurable and dashboards are interactive.

Transition to Automation and Control
Streamlined and consistent user interface, portfolio-wide. User control, and automation powered by user and data insights.

Open, Scalable, and Flexible Platform
Includes tools to standardize and normalize the connectivity, configuration, and outputs from diverse building assets.

Intel Components

- Intel® Atom®

Switch Automation - Building Optimization Platform Market Ready Solution
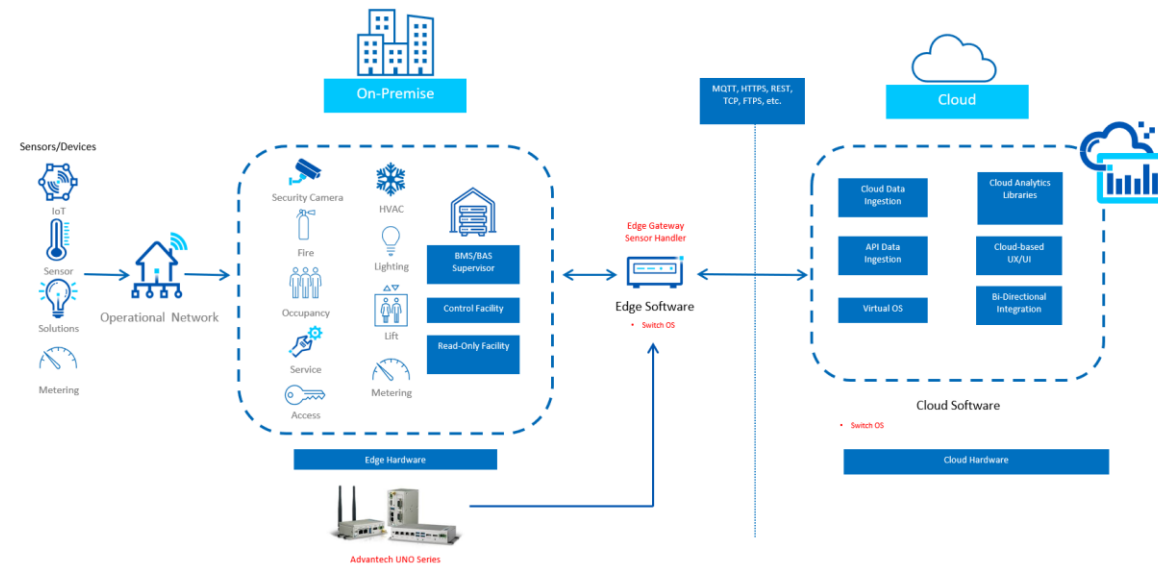
Intel components shown in red

Sales Guidance: Indicators that the Switch Automation – Building Optimization Platform solution may be a good fit.

Assess:
- Building managers looking to meet green building certification or re-certification
- Building operators looking to optimize their operations and reduce costs
- Building agents wanting to improve customer comfort and satisfaction
- Building owners or operators leading decarbonization efforts

Discover:
- Assign user roles that guide focused and meaningful platform use
- Use pre-built analytics to raise relevant and tunable notifications
- Control multiple site systems with a single platform
- Simplify and streamline reporting and project impact measurement & verification

Pain Points:
- Siloed data and systems
- Lengthy data analysis processes
- Data access/ownership is with service provider(s)
- "Black Box" solutions

Primary Industry: Other

Additional Industries: Banking/Financial Services, Commercial, Education, Government, Health & Life Sciences, Hospitality & Restaurants, Retail

Primary Use Case: Decarbonization, Asset & Operations Optimization

Additional Use Cases: Energy Monitoring & Management, Environment Monitoring, Machine Condition Monitoring, Situational Monitoring, Data-driven Operations

Geo Availability: Asia, Pacific and Japan, Americas, Europe, Middle East and Africa

Solution Sales Contact: Nik Sanchez nsanchez@switchautomation.com

Intel Sales Contact: Ted Demeris ted.demeris@intel.com

Solution Webpage: www.switchautomation.com/platform/compare-products

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Systems with Intelligence Visual/ Thermal Asset Monitoring System

Solution Overview

A monitoring system that provides real-time visualization of industrial applications in harsh, remote locations and is designed to protect and prolong the life of high value assets.

Value Props

Increase safety with remote inspections ensuring physical security elements are in good condition

Prevent outages with condition-based maintenance

Lower cost with reduced truck rolls and man hours for various inspections and procedures

Intel Components

- Intel Atom® Processor E3845
- Intel® I3 Dual Core™ Processor
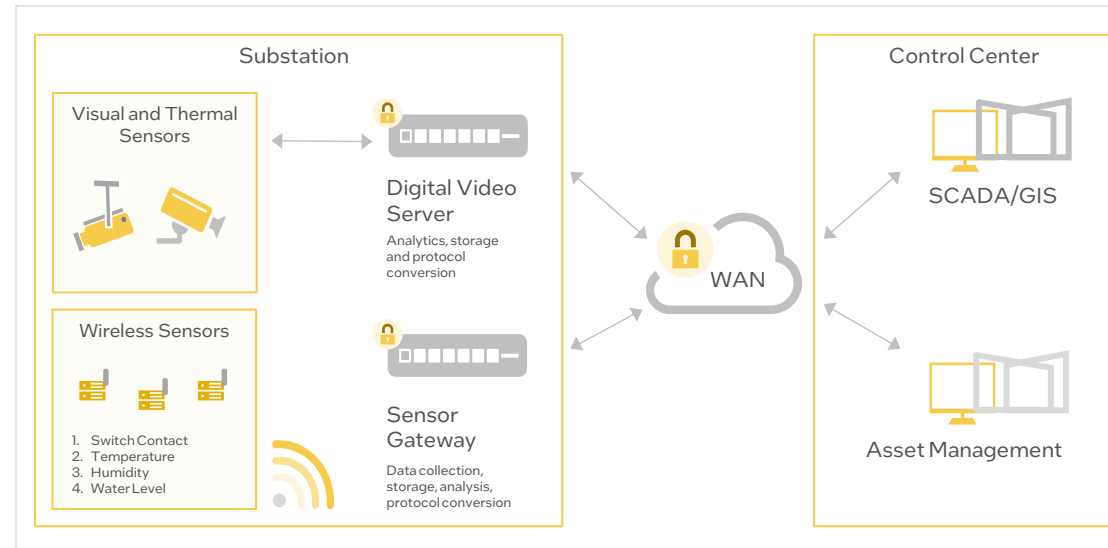
Target Vertical: Energy
Secondary Verticals: Manufacturing

Target Use Case: Situational Monitoring
Secondary Use Cases: Machine Condition Monitoring, Asset & Operations Optimization, Energy Monitoring & Management

Geo Availability
Americas, EMEA, and APAC

Learn More
- Systems With Intelligence website
- Real-Time Remote Monitoring of Sites and Assets article

Diagram

Substation

Visual and Thermal Sensors

Digital Video Server
Analytics, storage and protocol conversion

Wireless Sensors
1. Switch Contact
2. Temperature
3. Humidity
4. Water Level

Sensor Gateway
Data collection, storage, analysis, protocol conversion

WAN

Control Center

SCADA/GIS

Asset Management

Synnex Technology International - Smart MES for Factory

Solution Overview

In modern factories, production processes have become increasingly complex, involving a variety of work and information flows that require integration. Smart MES for Factory is a solution designed to not only monitor all the simultaneous processes of a factory floor, but to coordinate and control various operations in the manufacturing process with AI and edge computing. It identifies issues with production and compares end results with planned and designed production activities. The solution leverages this information to generate operating instructions, enabling manufacturing enterprises to monitor production in real-time, enhance production efficiency and quality, and reduce overall costs.

Value Props

Monitor production in real-time with an aggregated visualization platform which provides a view into all operations and sends alerts to relevant stakeholders when problems arise

Improve production efficiency by identifying problems such as bottlenecks, downtime, or errors in final products, and then by using the solution to generate potential fixes and boost productivity
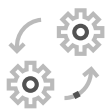
Streamline workflow management with assembly line capabilities that track production progress, improve product tracking and accountability, and generate comprehensive production records.

Realtime GigaFog IoT
Real-time smart manufacturing computing center

Features:
- Ensure the stability of collecting and monitoring machine data.
- Provide storage for long-term, large-scale data.
- Meet the requirements for conducting big data analysis.

Intel CPU — GigaFog IOT

Intel CPU — GigaBox 1

Intel CPU — GigaBox 2

PLC   PLC   PLC   PLC
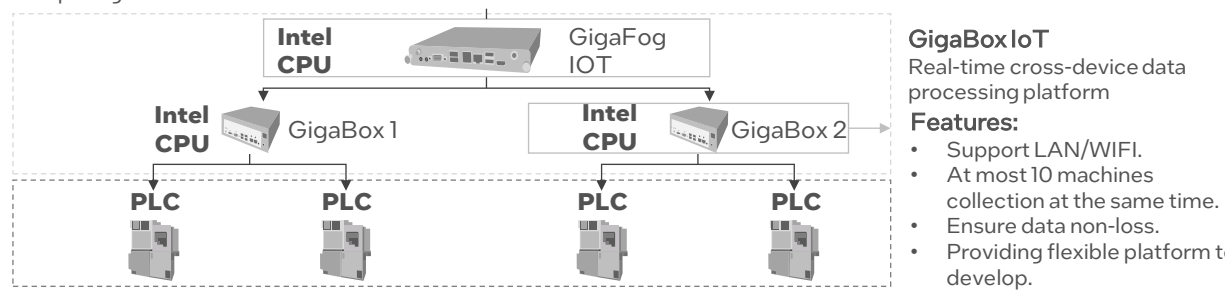
GigaBox IoT
Real-time cross-device data processing platform

Features:
- Support LAN/WIFI.
- At most 10 machines collection at the same time.
- Ensure data non-loss.
- Providing flexible platform to develop.

Intel Components

- Intel® Xeon® E5 processors
- Intel® Core™ i5 processors
- Intel® Celeron ® J processors

Target Vertical: Manufacturing

Secondary Vertical: Energy

Target Use Case: Machine Condition Monitoring

Secondary Use Case: Situational Monitoring

Geo Availability APJ, PRC

Sales Contact: Elsa Tsai -

elsatsai@synnex.com.tw

Solution Webpage

MES real-time operation management platform: cetech

Learn More

Synnex Group (synnex-grp.com)

Solution Overview

AI-powered software designed to help clinicians and radiologists detect various diseases in medical imaging. DeepMets® is a powerful brain tumor detection tool that increases clinical efficacy by speeding up workflows, and provides quick analysis by showing tumor location, contour, volume and generating imaging reports.

Value Props

Trustworthy smart assistant for clinicians
Real-time, verifiable, and monitorable AI image and data interpretation assistant that provides objective, quantitative imaging interpretation and management

Generative AI for medical writing
Game changer in administrative documentation, research publication, and clinical reporting

Progression tracking for treatment follow-up
Longitudinal assessment of tumor changes; easy to manage progression data for each patient along timeline

Smart labeling for differential diagnosis
Automated analysis, annotation and report generation simplifies and shortens the process of medical imagining interpretation

Intel Components

- Intel® Core i9 Processors
- Intel® Distribution of OpenVINO™ toolkit

DeepMets® Market Ready Solution

Magnetic Resonance Imaging (MRI)

Support major market brands of MRI scanners, e.g. GE, Siemens, and Philips etc.

Intel i9-10900X

DeepMets® Tumor Contouring OpenVINO

AI Results and Report

Powered by Intel OpenVINO

1. OpenVINO can deploy to many devices; building a model server isn't necessary.

2. OpenVINO model is light-weight and high performance on CPU devices. It can directly deploy on endpoint server, prevent data privacy issue and throughput issue.

Industry:
Health and Life Sciences

Use Case:
Human Wellness Monitoring

Geo Availability:
Asia, Pacific and Japan

Solution Sales Contact:
Eric Chiang
eric.chiang@ailabs.tw

Intel Sales Contact:
Wendy Wu
wendy.wu@intel.com

Solution Webpage:
www.taimedimg.tw/en/samd/

Sales Guidance: Indicators that the DeepMets® – AI Cancer Detection solution may be a good fit.

Assess:
☐ Clinical settings/imaging departments that are short of radiologists
☐ Clinical settings that have long turn-around times for image interpretation and report delivery to medical peers and patients
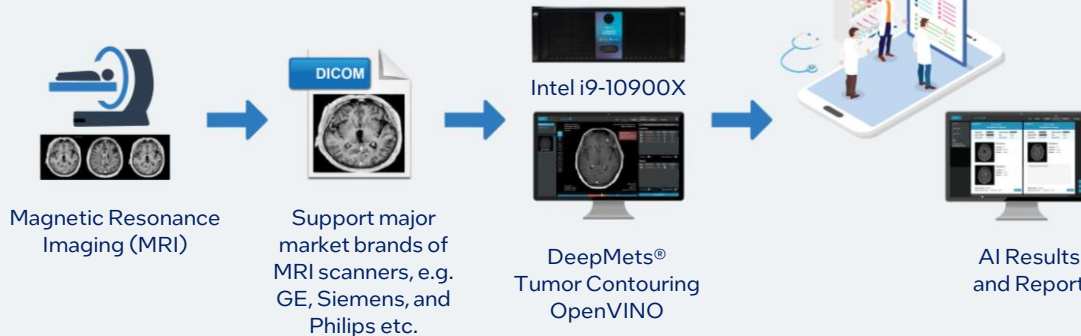☐ Chain clinics/hospitals that would benefit from shared resources

Discover:
☐ Automate workflows and analysis
☐ Reduce administrative burden on medical professionals
☐ Easily monitor and manage progression data

Pain Points:
☐ Detection of small tumors
☐ Screening capacity
☐ Long inspection process

intel. MARKET READY

Taiyi Wulian Co. Limited Space Guardian G1

Solution Overview

Often referred to as "the pain hanging over the city", residents in high-rise buildings have become notorious for throwing garbage and other objects from their windows and balconies onto the street below. This dangerous and polluting practice continues despite property managers installing security cameras and new laws prohibiting it. However, conventional video surveillance systems cannot accurately identify high-altitude parabolic objects – objects thrown from great height – and do not show the object's trajectory. The Space Guardian G1 transforms traditional security monitoring from passive to active with real-time monitoring and alarms. Deep learning algorithms quickly and accurately identify high-altitude parabolic objects, trace the parabolic event back to its source, and alert users, enabling timely incident response and handling.

Value Props

Improve public and environmental safety with real-time monitoring and warning of high-altitude throwing that enables prompt and accurate response from property management personnel

Ensure regulatory compliance with a monitoring system that analyzes the landing trajectory of thrown objects to determine the floor and resident responsible, effectively reducing disputes with quantitative data

Help save time and money spent on reviewing video camera footage to pinpoint the correct perpetrator of the high-altitude throwing so that all building residents aren't faced with charges from the littering

Solution diagram: Space Guardian G1

Workflow: camera → switch → Router → NVR and AIBOX → Cloud Data → Client

Intel Components

- Intel® Core™ i3 processors
- Intel® Core™ i5 processors
- Intel® Core™ i7 processors
- Intel® Distribution of OpenVINO™ toolkit

Target Vertical:
Government

Secondary Verticals:
Education, Health & Life Sciences, Transportation, Warehousing
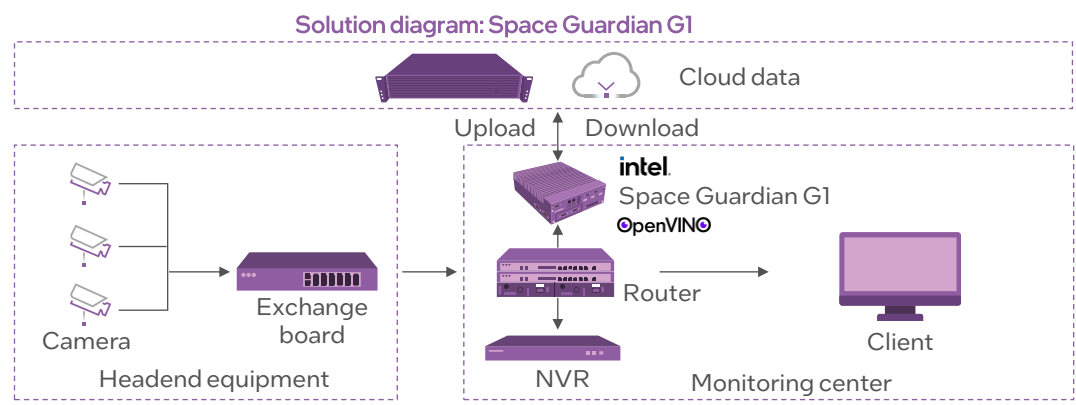
Target Use Case:
Situational Monitoring

Secondary Use Case:
 Environmental Monitoring

Geo Availability:
PRC

Sales Contact:
Huang Yubin – huangyubin@iot2099.com

marketing@iot2099.com

Learn More:
Additional Resources

Mobile Connected First Responder

Solution Overview

First responders use various mobile devices such as vehicle and body cameras, rugged computers, and recording devices to capture and send data instantly to an edge server. This real-time processing enables quick responses to urgent situations. After processing, the data is sent securely to the cloud via a mobile router, making it globally accessible to authorized personnel. This combination of edge technology and cloud connectivity allows first responders to make immediate decisions and ensures broad availability of data for coordinated efforts across agencies. Available complementary solutions include mobile data terminals, records management systems, computer-aided dispatch, GPS, automatic vehicle location, 3D scanning, and Mission Critical Push To Talk.

Value Props

Empower informed decisions and swift action by leveraging edge connectivity & compute to provide first responders with access to critical information in real time.

Facilitate a unified response system by implementing an integrated approach that drives seamless coordination between agencies and ensures all responding teams are in sync.

Enhance operational efficiency with a comprehensive technology solution that equips first responders with the technology they require to efficiently, effectively, and safely serve their communities.

Intel Components

- Intel® Core™ i5 Processors
- Intel® Core™ i7 Processors

Mobile Connected First Responder Solution Architecture

Field based Reporting

Data Collection / Entry

Rugged PC

Edge Gateways GPS & WiFi

Cellular Connectivity & WiFi

In Vehicle NVR / Edge Compute

Onboard Video for Security and Incident Recording

Body Camera

Data Capture

Hybrid Cloud Environment

Dashboards / Visualizations

Network Infrastructure

Data Analytics and Intelligence ISV's

Software Applications

Computer Aided Dispatch

Protected Records / Evidence Management System Server / Storage

Video Management System

Target Vertical:
Government

Secondary Verticals:
Transportation; Utilities & Energy; Construction

Target Use Case:
Situational Monitoring

Secondary Use Case:
Asset & Operations Optimization

Geo Availability
Americas

Sales Contact
rescue911@tdsynnex.com

Solution Webpage
TD SYNNEX | Website homepage

Telelogos

TELELOGOS Media4Display

Solution Overview

The Telelogos Media4Display software solution helps companies provide the right content to the right people at the right time with digital signage tools. Customers import media and create their own dynamic content in real-time to various locations on screens, tablets, kiosks, etc.
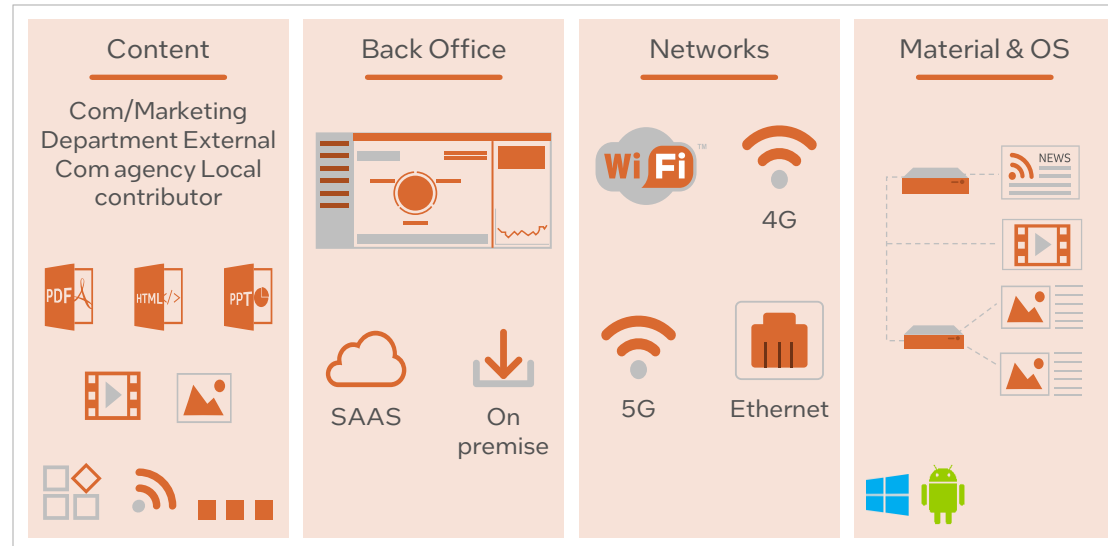
Value Props

Create dynamic content and easily import media to increase end user engagement

Manage, assemble, plan, and organize and content to deliver the right message to the right person at the right time

Display content on screens, tablets, kiosks; centrally manage all displays, screens, devices to maximize uptime.

Intel Components

Intel® NUC

Content	Back Office	Networks	Material & OS
Com/Marketing Department External Com agency Local contributor			
PDF HTML PPT		WiFi	NEWS
		4G	
	SAAS On premise	5G Ethernet	

Target Vertical: Corporate, Retail

Secondary Verticals:
Banking/Financial Services; Education; Public Places & Entertainment; Government. Manufacturing, Transportation & Logistics, Healthcare, QSR, DOOH

Target Use Case: Interactive Media, Customer experience- external communication, Worker engagement-internal communication

Secondary Use Cases: Smart Workplace; Digital Manufacturing & Dashboarding

Geo Availability

Globally

Learn More

- Telelogos Website
- Media4Display Webpage

Telesoft TDAC

Solution Overview

Due to CAPEX and OPEX limitations, many cyber protection systems cut corners when securing their networks. Businesses need a solution to manage increased data rates at the Edge and detect cyber threats from increased system complexities. Telesoft developed an information security solution to encrypt increased data rates and monitor system usage. The Telesoft TDAC solution secures network operations with comprehensive, proactive cyber security capabilities that provide full unsampled network monitoring and analytics. This solution strengthens cyber posture and unlocks data for efficiency, compliance, and risk management.

Value Props

Secure network operations with scaled, carrier class cyber hardening of edge to hybrid cloud environments without typical elevated risk trade-offs associated with CAPEX and OPEX limits

Increase revenue-generating services by investing in scaled cyber systems

Lower future risk and liability by gaining proactive cyber capabilities rather than reactive-only defense

Kit Components

- Intel® FPGA Products
- Intel® Xeon® Processors
- Intel® Solid State Drives (SSD)
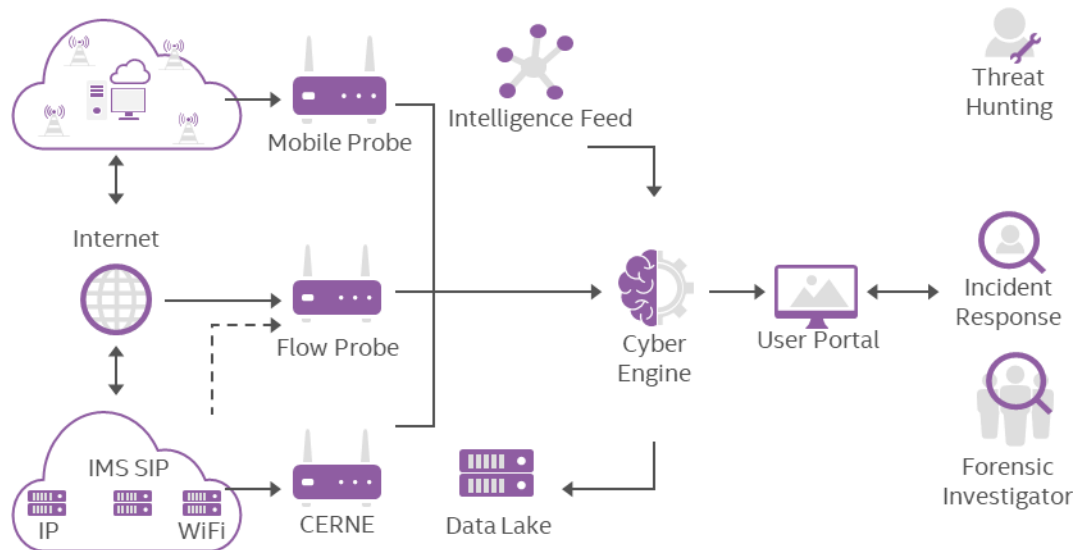
Primary Vertical:
Government
Partner Primary Verticals:
Telco, SI, OEMs, CDNs, Managed services, VLN's

Secondary Vertical: Energy, Gaming & Entertainment, Hospitality, Manufacturing, Retail, Transportation
Partner Secondary Vertical: Enterprise

Target Use Case:
Situational Monitoring
Secondary Use Cases:
Asset & Operations Optimization, Environmental Monitoring

Geo Availability
US, India, Germany, UK

Learn More
- Telesoft Website

Theatro Intelligent Voice Assistant for the Frontline Workforce

Solution Overview

Theatro Intelligent Voice Assistant for the Frontline Workforce is an end-to-end solution that extends essential enterprise communication to the entire frontline workforce. In today's world, mobile connectivity is an essential requirement for effective, efficient, and safe operations at the front line and across the enterprise.

Value Props

Increase workforce productivity by reducing wasted labor due to communication friction between HQ, Field Leadership, and local teams

Drive employee engagement by connecting every associate and providing immediate information

Deliver better customer experience via stronger employee engagement and execution

Ensure safe operations in a post-COVID world by enabling remote communication and leadership

Intel Components

Intel® Core™ i5, VM or physical
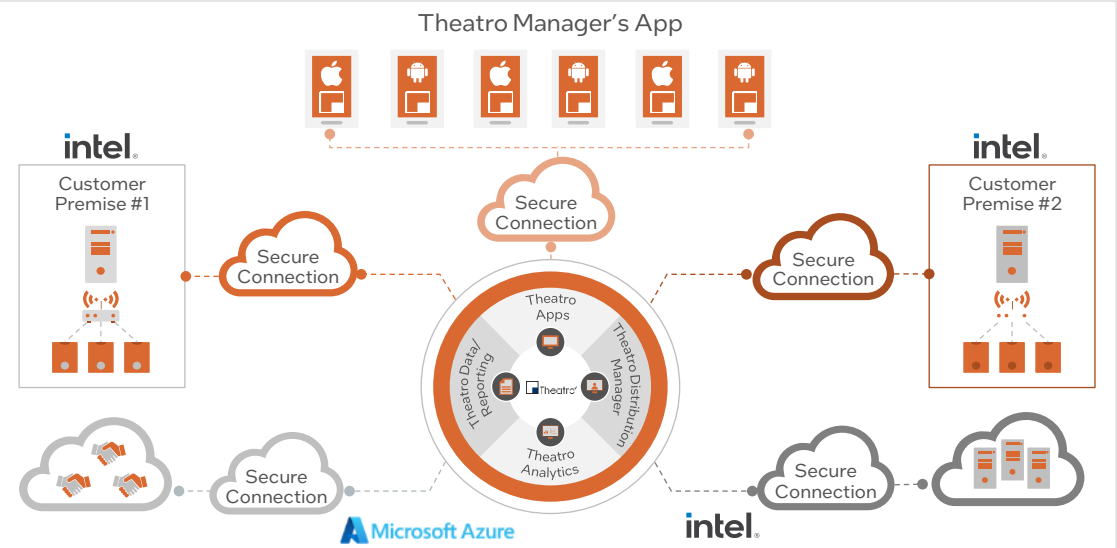
Target Vertical: Retail

Target Use Case: Asset & Operations Optimization

Geo Availability

Available in US and Canada

Learn More

- Theatro Website
- Theatro Resources
- Theatro Videos

Holographic Intersection Solution

Solution Overview

In the realm of Cellular Vehicle-to-Everything (C-V2X) applications, roadside sensing equipment is responsible for capturing information such as traffic object and environmental information that's used to deliver vital communications to vehicles and their operators, alongside other traffic management edge compute functionalities. The Thundersoft Holographic Intersection Solution provides a foundation for digitizing the transportation industry with roadside sensors, edge computing devices, and a cloud control platform to acquire real-time, high-precision, and low-latency traffic information and infrastructure data. This data is leveraged to enhance traffic efficiency and safety with dynamic time assignment of traffic lights, dynamic lanes, regional traffic optimization, and accident handling applications. By adopting this comprehensive approach, the Thundersoft Holographic Intersection Solution elevates overall traffic management, helping to ensure smoother and safer journeys for all road users.

Value Props

Enhance traffic safety and efficiency with intelligent transportation that integrates technology into transportation management to provide commuters with immediate information about traffic and intersections.
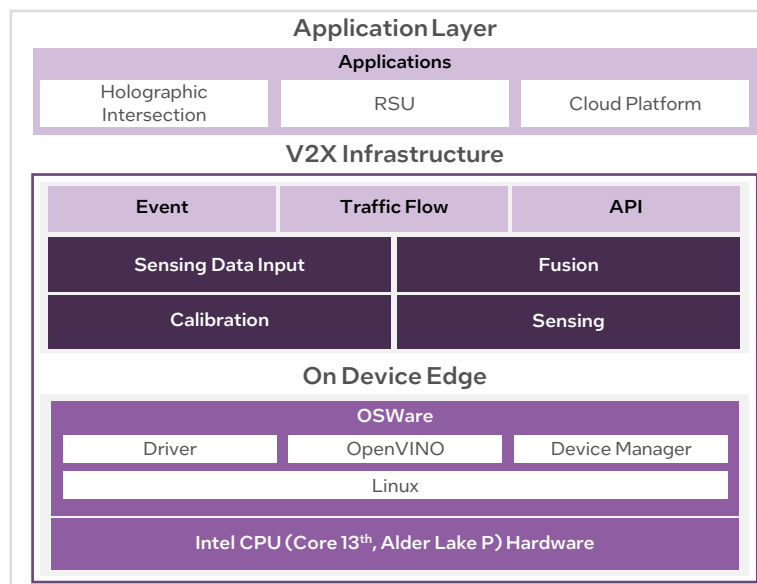
Promote the development of connected vehicle technology by harnessing telematics and traffic data to provide services for networked cars and help advance transportation technology.

Advance the development of smart cities with real-time insights and analysis of traffic patterns, volume, and congestion to enable dynamic traffic control that makes travel safer, smarter, and more efficient.

Intel Components

- Intel® Core™ i7 processors
- Intel® Core™ i9 processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Xeon® SP Silver
- Intel® Open Visual Cloud (OVC)

Application Layer

Applications

Holographic Intersection	RSU	Cloud Platform

V2X Infrastructure

Event	Traffic Flow	API
Sensing Data Input		Fusion
Calibration		Sensing

On Device Edge

OSWare

Driver	OpenVINO	Device Manager
Linux		

Intel CPU (Core 13th, Alder Lake P) Hardware

Target Vertical:
Transportation & Warehousing

Target Use Case:
Situational Monitoring

Secondary Use Case:
Control Optimization & Autonomy

Geo Availability:
Americas, APC, EMEA, PRC

Sales Contact:
Linjia Huang – Linjia.huang@am.thundersoft.com

Zhi Li – zhi.li@thundersoft.com

Solution Webpage:
Thundersoft Holographic Intersection Solution

Learn More:
Thundersoft

TITANUS EYEoT DSS

■ Solution Overview

An IoT-based intelligent video monitoring solution designed to be easily integrated, highly extensible, fully customizable, and compatible with other security applications to help customers protect public safety and assets

■ Value Props

Protect people and assets with a solution that supports large-scale video surveillance

Enable data-driven actions with the capability to perform multiple concurrent analyses

Connect legacy video solutions with a solution supporting hybrid video

TITANUS EYEoT
intel.

CMS Center Monitoring

WAN/INTERNET

intel.
TITANUS EYEoT

IP Camera

LAN/CAT5e

Ethernet Switch

Speaker

Mic

Panic Button

intel.
TITANUS EYEoT VMS

■ Intel Components

- Intel® Core™ i3 processor
- Intel® Core™ i5 processor
- Intel® Core™ i7 processor
- Intel® Xeon® E3 processor
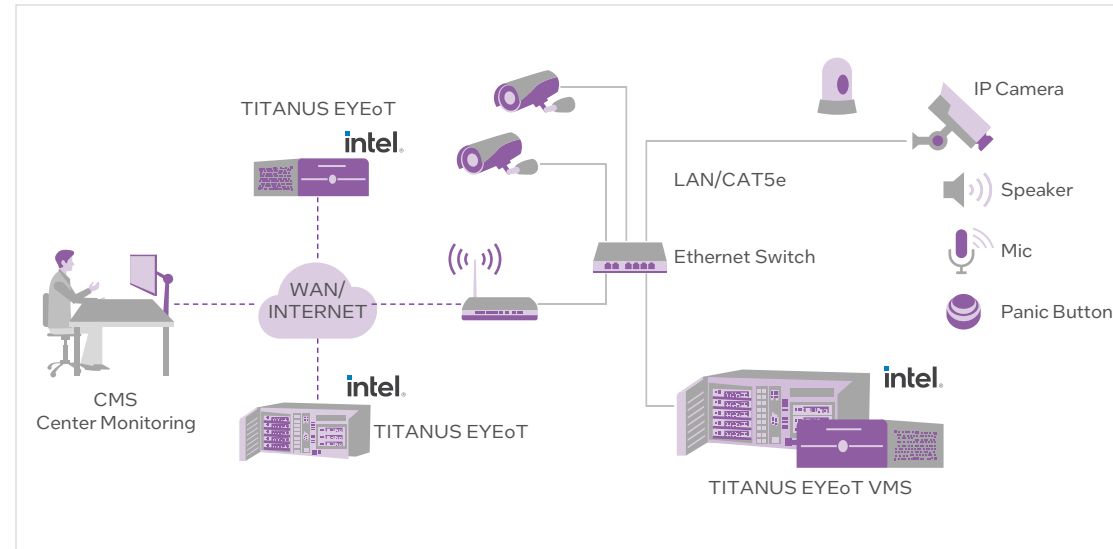
Target Vertical:
Government

Target Use Case:
Situational Monitoring

Geo Availability
SE Asia

Learn More
- TITANUS EYEoT Intel Solutions Marketplace
- Gamma Solution official Facebook page

Toshiba Self Service Retail Total Solutions

Solution Overview

The Toshiba Self Service Retail Solution systems represent the next generation of self-checkout kiosks. With robust performance and exceptional reliability, these systems enable retailers to provide convenient, enjoyable, hygienic experiences for shoppers. The System 7 and Pro-X Hybrid Kiosks, and TCx 800 models are equipped with Toshiba's advanced & proven software CHEC: a management suite developed to help retailers test, measure, control, and optimize performance across their sales network.

Value Props

Deliver excellent customer experiences through a range of configurations that meet needs of modern customers' and expedite transactions

Streamline in-store operations through hardware and software solutions that connect customers with assistance and helps employees prioritize time

Minimize the costs-to-business of digital transformations by reducing expenses through a system designed for seamless integration, scalability, and durability

Kit Components

- Vision Accelerator Design with Intel® Movidius™
- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Core™ i3, i5, i7 Celeron® Processors

Self-Checkout System 7

Edge Hardware ↔ **Agent** ↔ **Cloud/Server** ↔ **Software** → **Business Analytics to end user**

Edge Hardware:
8th & 9th Gen Intel Core Processor:
G4900, i3-9100E, i5-9500E, i7-9700E Smart Camera for Edge Inferencing: MA2085 VPU*
TCx™ 15" Display
TCx™ Single Station Printer

Agent:
The Remote Management Agent (RMA) General Agent runs on every POS in-store. All data is aggregated by an RMA Master Agent and reported to the enterprise

Cloud/Server:
CHEC, Toshiba's self-checkout software platform provides centralized enterprise management and analytics capabilities via the Back Office System Server which manages all lanes at the Store (BOSS) or Enterprise (eBOSS), and End-User requests

Software:
OpenVINO®
- Supported OS: TCx™ Sky retail-optimized operating system, Linux & Windows
- TCx™ Elevate
- Elera™ Commerce Platform & Microservice Applications
- Netop Remote Control
- Edge Inferencing via openVIN0 & VPU*

Business Analytics to end user:
Toshiba provides tools to optimize operational performance, increase utilization, and improve user experience

*PoC – Subject to change

Solution Components

Intel Components
- Vision Accelerator Design with Intel® Movidius™
- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Core™ i3, i5, i7
- Celeron®

Toshiba Hardware‡
- Scanner
- Edge device and housing
- Toshiba CHEC software

Cloud Service Provider
- Private/On-Prem

‡Hardware, housing, and software is system configuration dependent

Target Vertical:
Retail

Secondary Vertical:
Hospitality

Target Use Case:
Interactive Media

Secondary Use Case:
Asset & Operations Optimization

Geo Availability
ANZ, EU, Canada, Switzerland, UK, US, Turkey, LATAM

Learn More
- Toshiba POS | Systems & Applications
- Toshiba System 7 | Product Video
- Toshiba CHEC | Product Documentation

Toshiba TCxTM 800 All-In-One POS and Remote Monitoring In-Store Experience

Solution Overview

The TCx™ 800 all-in-one POS platform enables associates to deliver quick, enjoyable experiences for shoppers. As a fully functional POS system, kiosk, or self-service unit, the TCx™ 800 POS platform combines powerful performance and exceptional reliability

Value Props

Deploy easily with an adaptable solution based on available in-store space

Improve productivity with a solution that uses a familiar interface

Enhance customer experience with quicker checkouts and a more responsive, reliable platform

Intel Components

- Intel® Celeron® Processors
- Intel® vPro® Platform
- Intel® Core™ i3, i5, and i7 Processors
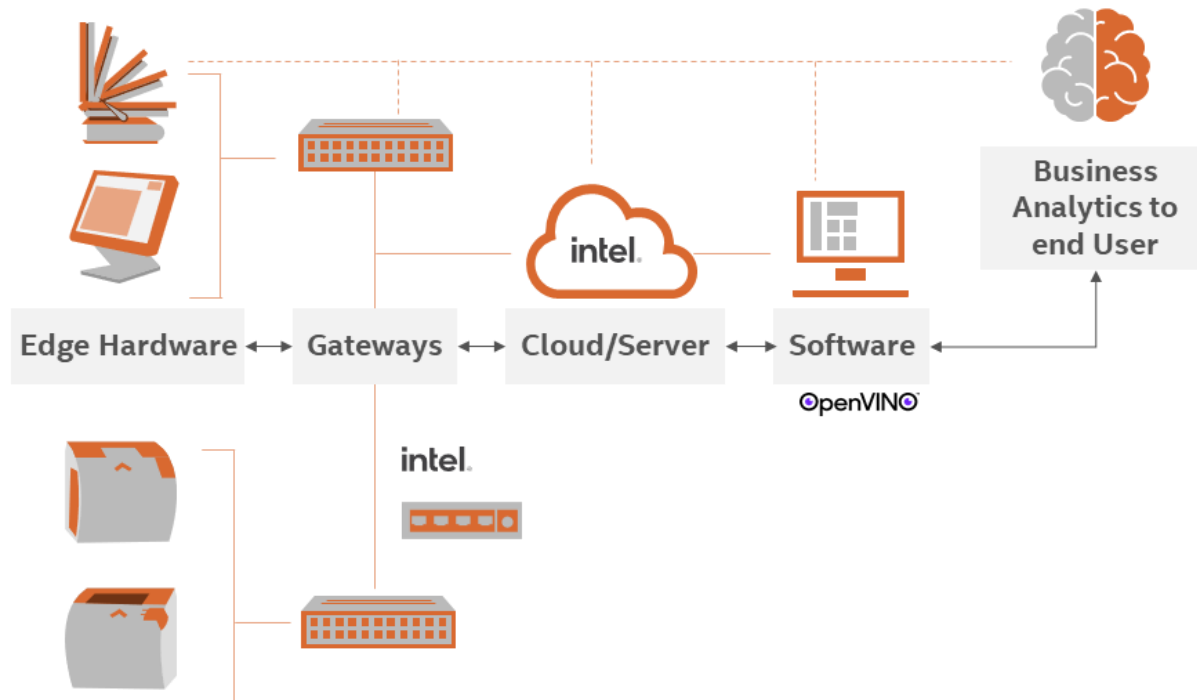
Edge Hardware ↔ Gateways ↔ Cloud/Server ↔ Software

OpenVINO

Business Analytics to end User

Target Vertical:
Retail

Target Use Case:
Interactive Media

Secondary Use Case:
Asset and Operations Optimization

Geo Availability
North America, South America, Europe, Middle East & Africa, APJ

Learn More
- Toshiba Website
- Edison White Paper
- Comparing Toshiba all-in-one POS platform against its competitors
- TCx™ 800 Datasheet

Touch Cloud AI@Sense LPRS

Solution Overview

Without fence or gate systems to keep traffic slow, many parking lots struggle to efficiently implement accurate license plate recognition. To address these issues, the Touch Cloud AI@Sense LPRS, using Intel® OpenVINO™ technology, detects and recognizes license plate images to support a variety of scenarios including real-time LPR for parking lots, vehicle access control, traffic enforcement, and additional transportation situations. Transportation customers can easily and remotely deploy the solution to increase visibility and overall operational efficiency.

Value Props

Experience high-accuracy vehicle plate recognition in various scenarios with a solution that can adapt to conditions like rain, shadows, different license plate angles, and high vehicle speeds

Enhance visibility into vehicles on premises with remote viewing options and robust backend searchability for operators

Improve operational efficiency through real-time, automated license plate data capture, enabling faster decision making and reduced manual workloads for vehicle tracking and access control

Enjoy quick, low-touch deployments with a plug-and-play system that can be remotely set up and only requires a minimum connection between existing IP cameras and the Touch Cloud AI@Sense platform

Intel Components

- Intel® Core Processors
- Intel® Xeon® Processors
- Intel® Distribution of OpenVINO™ toolkit
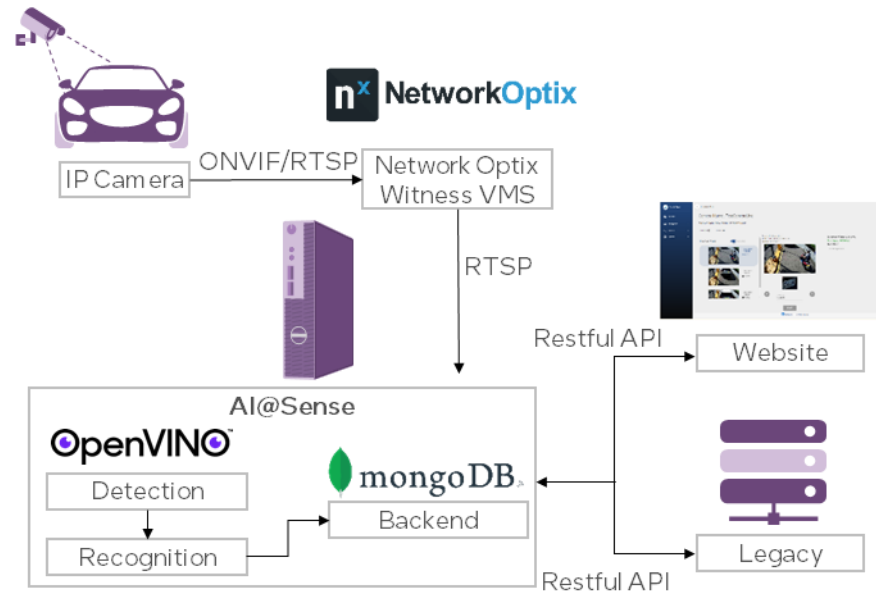
Target Vertical:
Transportation

Secondary Vertical:
Government, Hospitality, Manufacturing, Retail

Target Use Case:
Logistics & Tracking

Secondary Use Cases:
Control Optimization & Autonomy

Geo Availability
Asia, Pacific, and Japan

Learn More
- Touch Cloud Homepage

Touch Cloud

Touch Cloud/WPI TC Telescope

Solution Overview

A computer vision surveillance solution designed to capture objects and human behaviors in real-time within a designated construction zone for monitoring and security purposes. The solution effectively and detects people and traffic movement to provide site safety and security.

Value Props

Increase worker safety by recognizing PPE violations in construction zones

Enhance security by surveilling designated areas and detecting abnormal objects

Improve business logic via incident analysis of stored video footage
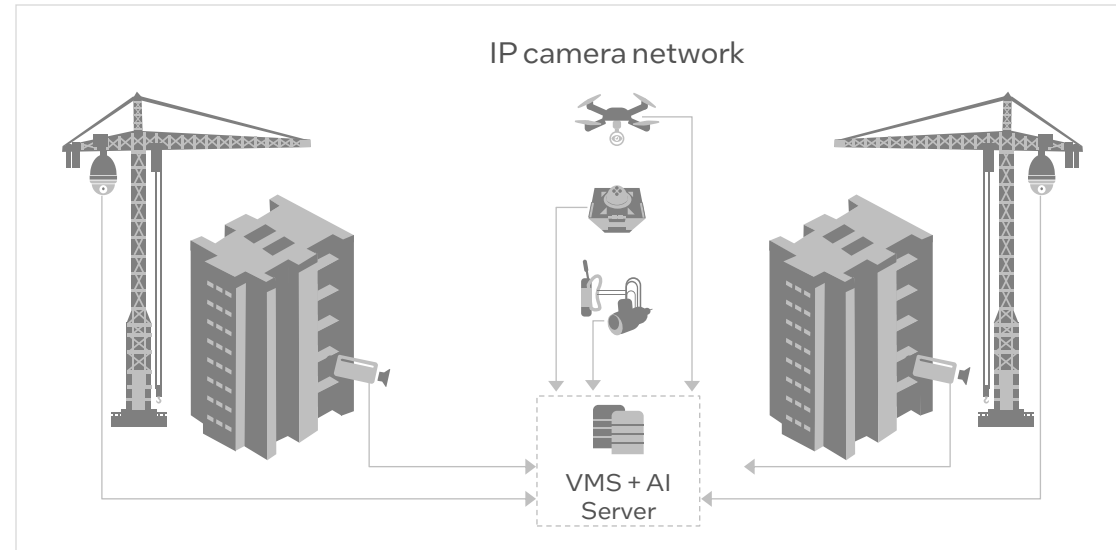
Intel Components

- Intel VPU
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Core™ Processors

IP camera network

VMS + AI Server

Target Vertical: Manufacturing

Target Use Case: Situational Monitoring

Secondary Use Cases: Asset & Operations Optimization, Product Inspection, Human Wellness Monitoring

Geo Availability

Available in APJ

Learn More

- Touch Cloud Homepage

intel

Touch Cloud

Touch Cloud Abaci – The Realtime Flow and Crowd Counting Solution

Solution Overview

The Touch Cloud Abaci Realtime Flow and Crowd Counting Solution enables people counting in buildings and public transportation settings. This solution utilizes real-time analytics that enables better resource management and can improve operational efficiencies.

Value Props

Enhance resource management by leveraging crowd counting capabilities

Promote improved safety measures with real-time analytics that provide insight into capacity of specific areas

Improve operational efficiencies via plug-and-play functionality that reduces setup time and can report analytics within ten minutes of setup

Intel Components
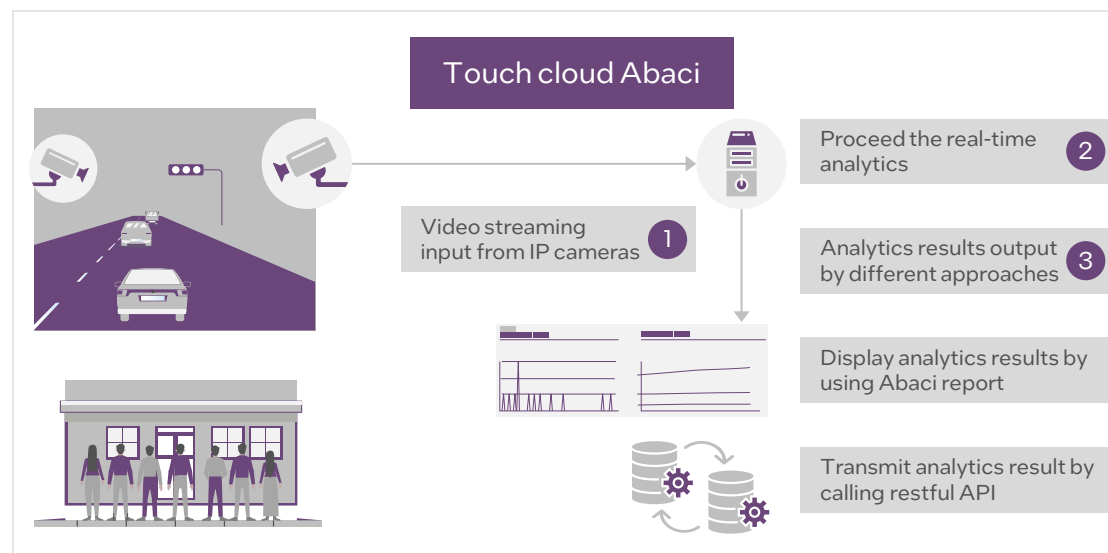
- Intel® Core™ i5 Processors
- Intel® Distribution of OpenVINO™ Toolkit

Touch cloud Abaci

Video streaming input from IP cameras ①

Proceed the real-time analytics ②

Analytics results output by different approaches ③

Display analytics results by using Abaci report

Transmit analytics result by calling restful API

Target Vertical: Transportation
Secondary Vertical: Retail

Target Use Case: Asset & Operations Optimization
Secondary Use Case: Interactive Media

Geo Availability
Available in Japan, South Korea, Taiwan, Southeast Asia

Learn More
- Touch Cloud website

intel®

Touch Cloud Inc. Portable Smart Construction Site Surveillance and Event Detection System

Solution Overview

The Portable Smart Construction Site Surveillance and Event Detection System is designed to solve safety problems on construction sites. The system uses wirelessly connected network cameras to collect streaming data from construction sites to detect and recognize safety violations as they occur, all without a fixed power source. Alarms are triggered and the violation event is then displayed on the web platform for supervisors to monitor. This ensures that supervisors are made aware of potential dangers and can act to prevent incidents before they occur, limiting the likelihood of accidents and injury. When compared to manual monitoring, this approach reduces fatigue and errors in supervisory personnel by concentrating all monitoring to one holistic online event platform and sending real-time alerts, further ensuring construction site safety.

Value Props

Help improve safety and compliance at construction sites by detecting potential hazards before incidents occur, helping to protect workers from injury

Enable flexibility and efficiency with a solution that is portable and easy to deploy in a variety of job environments, maximizing productivity

Enable holistic management using an online event platform to apprise supervisors of potential hazards across many job sites simultaneously
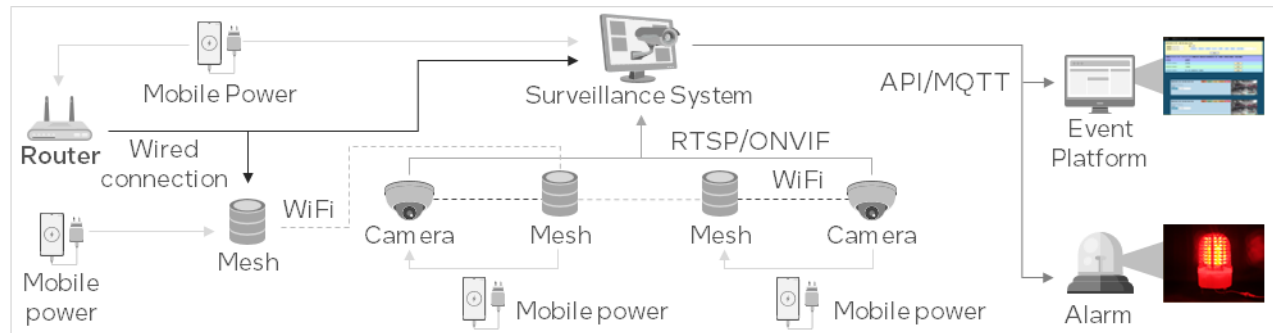
Intel Components

- Intel® Core™ i7 processors
- Intel® Core™ i9 processors
- Intel® Distribution of OpenVINO™ toolkit

Target Vertical: Manufacturing

Secondary Vertical: Government

Target Use Case: Asset & Operations Optimization

Secondary Use Case: Control Optimization & Autonomy

Geo Availability: Asia, Pacific, and Japan

Sales Contact: Simon Lee - simon.lee@touchcloud.com.tw

Solution Webpage
- Touch Cloud Website

TouchSource Digital Directory Experience

Solution Overview

The TouchSource Digital Directory Experience delivers captivating digital displays and IoT-connected directory solutions to improve the interactions with tenants, visitors, patients, and retail shoppers. The approachable, interactive technology provides simple, affordable, and easy-to-own digital directories in a various smart buildings.

Value Props

Empower your team with access to the TouchSource digital content system on various platforms for fast, self-service updates anytime

Leverage data-driven insights from TouchSource solutions to win new tenants and improve building operations

Enhance visitor and tenant experiences with indoor and outdoor digital display solutions to deliver compelling and customized interactions

Kit Components

- Intel® Core™ i7 Processors
- Intel® Core™ i5 Processors
- Intel® Celeron® Processors
- Intel® Core™ i3 Processors

TouchSource (In House)
Support Team
FTP Server
Designers
Firewall

Bomgar Remote Access
Uploaded Content
Uploaded Content
Design Updates

VM
Content Feed Storage
CMS
CMS
Microsoft Azure
aws
Dual Cloud Tenancies

Customer Network
3rd Party Content Feeds
HDMI
Display
Administrative Updates
Administrator
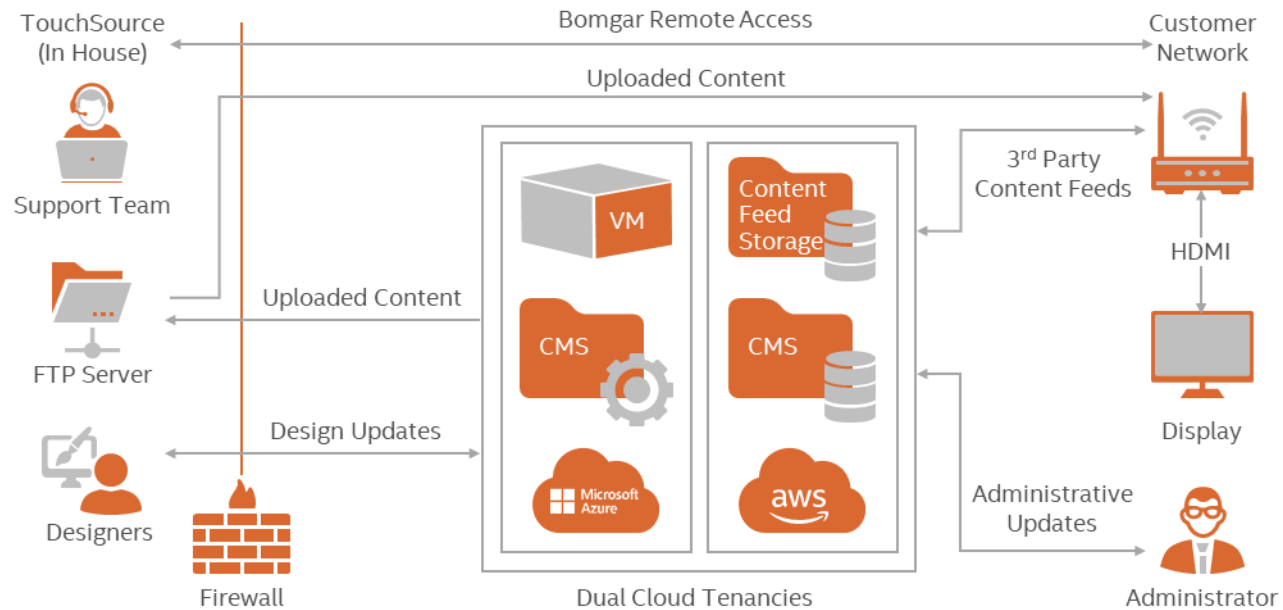
Target Vertical:
Retail

Secondary Vertical:
Hospitality

Target Use Case:
Interactive Media

Geo Availability
North America

Learn More
- TouchSource Website

Solution Overview

Deploy a private 5G SA network in minutes on mobile edge hardware from Trenton Systems, protected by zero trust security from Zscaler® and powered by the latest Intel® technologies. The IES.5G easily connects assets across environments, assuming no trusted zone in the network to guard data at rest, in transit, and in use against any vulnerabilities associated with using a private or public domain. A private 5G Core coupled with CU/DU, implemented, orchestrated, and managed by O-RAN-compliant, 3GPP-adherent vendors provides maximum flexibility, scalability, and reliability to enhance the performance of your network in the face of ever-evolving, complex workloads.

Value Props

Edge ready
Not just for the lab, but for edge deployments in a smaller/lighter form factor. This means indoor or outdoor applications/needs for 5G SA deployments – even under harsh conditions!

Easy and Scalable
The IES.5G makes private 5G deployment simple/rapid, while allowing for modularity/scalability to address the ever-evolving needs of customers.

Secure
Secure supply chain; vetted hardware, firmware, software, and network layers; and fortified with zero trust provisioning – 360°data protection!

Intel Components

- Intel Xeon SP Gold or Xeon D
- Intel FlexRAN
- Intel Ethernet Adaptors & Controllers
- Intel OpenVINO

Integrated Edge Solution with Private 5G Market Ready Solution
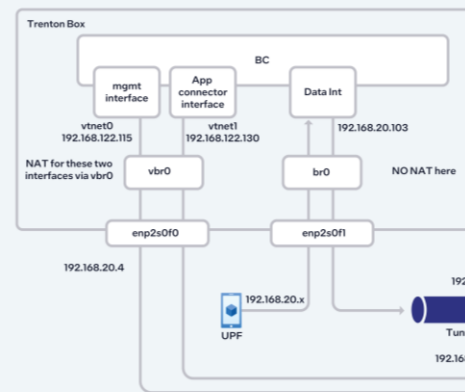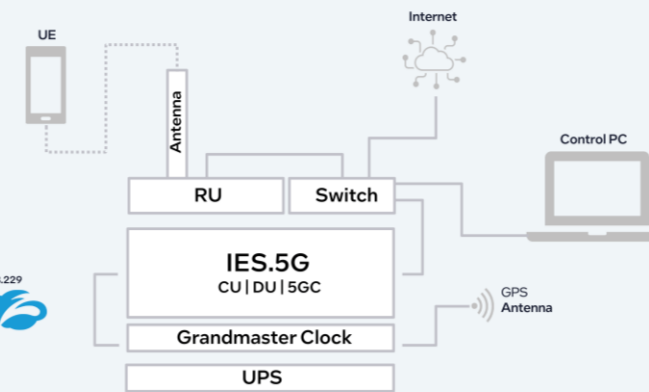
A simplified approach to an integrated 5G SA edge solution. Modular and scalable hardware in conjunction with flexible software for in-the-lab and field deployments.

Sales Guidance: Indicators that the Trenton Systems IES.5G solution may be a good fit.

Assess:
❑ Government agencies with mission-critical compute/connectivity needs
❑ Organizations with remote outdoor private 5G SA network needs
❑ Organizations/agencies requiring quick access to a secure network, regardless of location

Discover:
❑ Operate in the harshest of environments
❑ Scale up or down depending on situational needs
❑ Secure data at rest, in transit and in use

Pain Points:
❑ Unreliable Wi-Fi service
❑ Security breaches
❑ Slow/lengthy setup/deployment

Primary Industry:
Government

Additional Industries:
Agriculture, Banking/Financial Services, Education, Energy, Health and Life Sciences, Hospitality and Restaurants, Manufacturing, Retail, Transportation and Warehousing

Primary Use Case:
Situational Monitoring

Additional Use Cases:
Asset & Operations Optimization, Control Optimization & Autonomy, Energy Monitoring & Management, Environment Monitoring, Interactive Media, Logistics & Tracking, Machine Condition Monitoring

Geo Availability:
Asia, Pacific and Japan, Americas, Europe, Middle East and Africa

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Intel Sales Contact:
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Barry Farber
barry.a.farber@intel.com
Jonathan Kyle
jonathan.kyle@intel.com

Solution Webpage:
www.trentonsystems.com/products/ies.5g

TRISON

Trison signage.ninja

Solution Overview

The market for digital signage is increasingly competitive and companies are looking for solutions that form a cohesive digital landscape to help execute their messaging strategy. Trison UK's signage.ninja is a state of the art, cloud-based, campaign management and business intelligence solution that enables users to connect and modify their digital signage assets in a highly accessible user interface. The solution supports remote changes, automatic real-time updates, and highly granular scheduling options that can be deployed and customized across any number of screens and storefronts. Moreover, signage.ninja provides in-store retailers with tools to collect and analyze valuable customer data, enabling them to improve the customer journey by aligning with demographics, behaviors, and other various customer needs.

Value Props

Increase operational efficiency by reducing the time and expertise required to execute a successful and cohesive in-store messaging and marketing strategy

Increase revenue by leveraging analytic and customer data to effectively implement targeted services and advertisements

Create consistent messaging by ensuring corporate messaging is delivered correctly, at the right time, and to the intended workforce and customer base

Intel Components

- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Celeron® processors
- Intel® Core™ i5 processors
- Intel® Core™ i3 processors
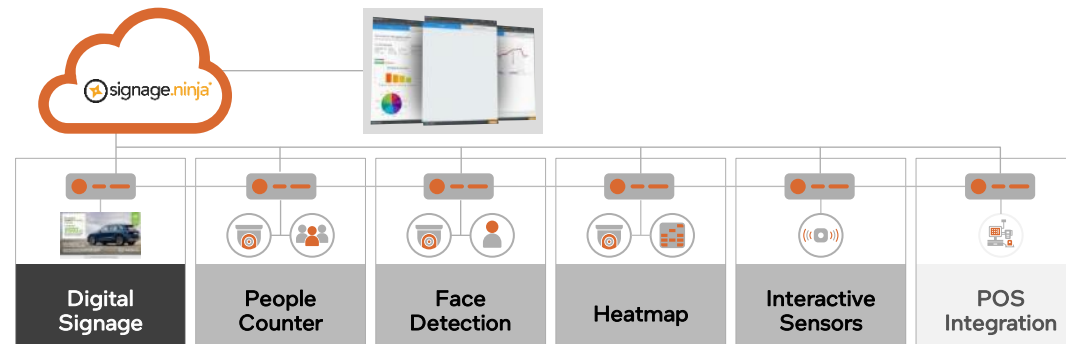
Digital Signage | People Counter | Face Detection | Heatmap | Interactive Sensors | POS Integration

Target Vertical:
Retail
Secondary Verticals:
Banking/Financial Services, Energy, Gaming & Entertainment, Government, Health & Life Sciences, Hospitality, and Manufacturing

Target Use Case:
Interactive Media
Secondary Use Cases:
Assets & Operations Management

Geo Availability
Mexico, People's Republic of China, Taiwan, Germany, Middle East, North Africa, Turkey, United Kingdom, United States

Learn More
- Trison UK Website

intel

UST Vision Checkout Kiosk

Solution Overview

Today's customers are increasingly looking for contactless shopping experiences, and to meet the demand for an accelerated checkout process, UST has developed the Vision Checkout Kiosk. The solution is an AI-enabled, smart, touchless checkout system that offers 3x faster self-checkouts powered by computer vision and gesture technology. It utilizes edge computing and AI-enabled hardware to accurately identify items, ring up orders, and accept payment to expedite the checkout process, improving the overall in-store experience.

Value Props

Enhance end customer experience with an intuitive digital interface that quickly and conveniently guides users through the purchasing process

Optimize checkout process with a contactless grab-and-go service system that automates product detection and increases checkout efficiency

Reduce operational costs with access to downloadable inventory reports that improve record keeping and enable retailers to scale their resources accordingly

Kit Components

- Intel Components
- Intel® Core™ Processors
- Intel® Distribution of
- OpenVINO™ toolkit
- Intel® NUC
- Intel® RealSense™ Depth
- Camera D415
- Intel® Edge GPU Server

Vision Checkout Architecture

Camera · Weight · UI Dashboard · Payment · Printer · Gesture · Voice

Kiosk

Camera Service · Weight Service · UI Service With Voice · Payment Service · Printer Service · Gesture Service

Azure Cloud Environment

Azure Nat Gateway · Azure Cloud Service · Blob Storage

Azure Network Security Group · Product box Web Service · Product box Admin Service · Product box API Service · Socket Service · Admin API Service · MS SQL

Payment Gateway · email

Azure docker Cloud VM Instance · REST API · Prediction Engine · Service Calls

Target Vertical:
Retail

Secondary Verticals:
Hospitality and Restaurants, Cruise Industry, Healthcare

Target Use Case:
Interactive Media

Geo Availability
Asia, Pacific, Japan, Americas, Europe, Middle East

Learn More
- UST – Home page

UST Global: Retail Analytics for Covid-19 and Beyond

Solution Overview

The UST Global Retail Analytics for Covid-19 and Beyond solution helps provide a safe shopping experience for customers in the store by analyzing the videos from store security cameras, empowering store managers with near real-time visibility of customer count and enables proper implementation of social distancing and hygiene practices to create a safer space for customers.

Value Props

Address regulatory compliance by tracking implementation of social distancing guidelines for safe shopping in stores

Identify 'hot zones' where there is no social distancing, and identify sanitation needs in areas where there is frequent touching

Intel Components

- Intel® Media SDK
- Intel® Distribution of OpenVINO™ toolkit stack
- Intel® Edge stack

Deployed on Intel cloud for edge-Proposed architecture

Private/Public or On-Premise Server hosting

Application and Service Layer

Provisioning Systems

Data Systems

HTTP
HTTP
WAN/LAN
Current PC

Feed Aggregator Layer

Messaging Layer

Cognitive Engines

Intel Media SDK

Intel OpenVINO™ Stack

Only Data os ISON/HTTS No Video

Only Data os ISON/HTTPS
No Video

WAN

Intel Edge Stack Inference computed locally

Existing Store security cameras

intel®

Cognitive Engines

Target Vertical: Retail

Target Use Case: Situational Monitoring

Geo Availability

Available in US, Europe and APAC

Learn More

The UST Global website

Solution Overview

The ultimate solution for perimeter protection using thermal or dual cameras, combining maximum detection security with AI to reduce false alarms. Leveraging the accurate image processing algorithms based on our considerable experience in thermal projects, we provide systems capable of adapting to any environment to reach previously unknown levels of reliability. When using dual cameras and our dedicated dual-camera solution, you can benefit from the full power of ThermAI processing along with visible video that enables unparalleled video verification.

Value Props

A unique combination of thermal image processing algorithms & deep neural networks

ThermNet 2
Complex neural system specializes in enhancing perimeter protection with thermal imaging.

SmartZone 2
The analysis intelligently adjusts its behavior to the activity in the scene.

AutoScale
Automatic perspective in far-plane adjustment, to differentiate the size of objects.

WaveCancel
Specially designed to avoid the alarm activations caused by moving vegetation.

Intel Components

- Intel® Core i7
- Intel® OpenVINO

Sales Guidance: Indicators that the DeepWall ThermAI solution may be a good fit.

Assess:
- ❑ Operations/industries with expansive areas to secure
- ❑ Solar farms experiencing issues with theft
- ❑ Businesses with a large number of cameras that are experiencing a high number of false alarms

Discover:
- ❑ Integrate with almost all thermal and dual cameras
- ❑ Protect large areas reliably
- ❑ Allow simple access to view configurations, share or control security system

Pain Points:
- ❑ High false alarm rates
- ❑ Lack of reliability of large area protection
- ❑ High hardware and operational costs
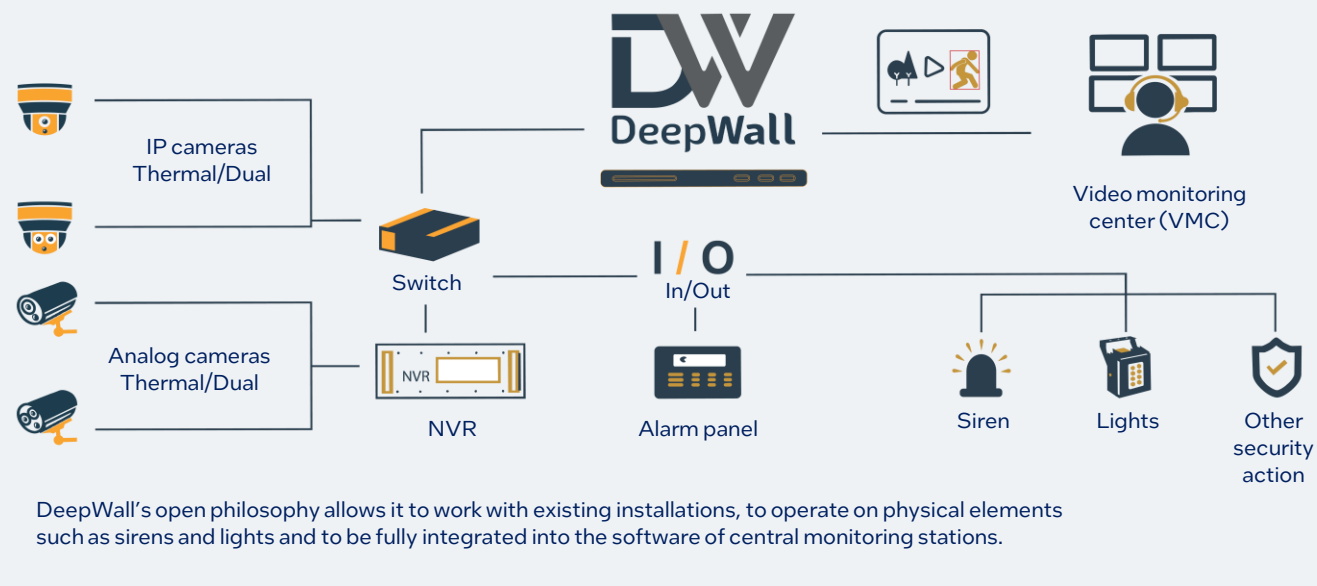
ThermAI Market Ready Solution

IP cameras Thermal/Dual

Analog cameras Thermal/Dual

Switch

NVR

I / O In/Out

Alarm panel

Video monitoring center (VMC)

Siren

Lights

Other security action

DeepWall's open philosophy allows it to work with existing installations, to operate on physical elements such as sirens and lights and to be fully integrated into the software of central monitoring stations.

Primary Industry:
Energy

Additional Industries:
Government, Transportation and Warehousing

Primary Use Case:
Environment Monitoring

Additional Use Case:
Situational Monitoring

Geo Availability:
Americas, Europe, Middle East and Africa

Solution Sales Contact:
sales@vaelsys.com

Intel Sales Contact:
Ana Escobar
ana.escobar.acunas@intel.com

Solution Webpage:
www.thermai.net

Vaelsys V4

Solution Overview

Vaelsys V4 is an AI-powered video analytics software platform that enables users to implement efficient, automated, and customizable safety and security solutions. V4 identifies and categorizes people, objects, vehicles, or actions in real-time. Based on the data gathered, it sends programmed responses with relevant footage to the appropriate party and triggers automated responses. V4 is designed as an open platform, making it compatible with any camera regardless of the manufacturer, and supports seamless integration by converting images into easy-to-use data that ensures functionality with different types of software.

Value Props

Increase operational efficiency by intelligently leveraging security video footage and implementing automated and customizable security protocols that decrease response times, improve detection accuracy, and increase monitoring range

Help enhance security with tools to provide user-specific surveillance capabilities such as tracking visual and thermal analytics, displaying maximum detection distances, monitoring unlimited intrusion zones, and specific post detection protocols

Reduce labor costs by decreasing the amount of hired security needed to monitor and analyze video footage to effectively execute the appropriate security responses
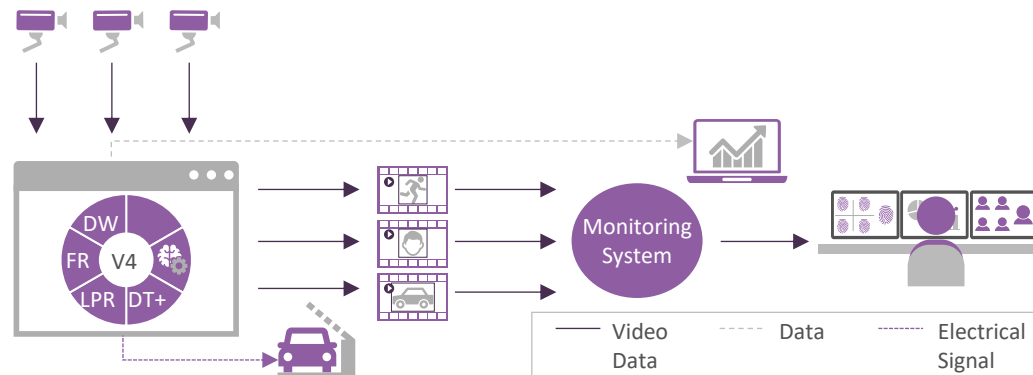
DW | FR | V4 | LPR | DT+

Monitoring System

Video Data — | Data ---- | Electrical Signal ----

Intel Components

- Intel® Atom® Processors
- Intel® Core™ i3, i5 and i7 Processors
- Intel® NUC
- Intel® Xeon® Processors
- Intel® Distribution of OpenVINO™ Toolkit

Target Vertical:
Government

Secondary Verticals:
Banking/Financial Services, Manufacturing, Education, Transportation, and Retail

Target Use Case:
Situational Monitoring

Secondary Use Cases:
Environmental Monitoring, Logistics & Tracking, and Product Inspection

Geo Availability
Spain, France, Portugal, Italy, Ireland, Ecuador, Other Americas, and United Kingdom

Learn More
- Vaelsys Website

Vecow VHub AI Fever Scan Solution

Solution Overview

The Vecow VHub AI Fever Scan Solution is a portable, contactless screening system that manages access control by identifying individuals and detecting high body temperature to help increase end user and staff safety. The solution is equipped with a thermal camera to measure body temperature, AI algorithms to identify individuals with high body temperature, and a portable smart access control unit that manages crowds through an immediate locking system paired with alarm notifications to report and control safety threats in real-time.

Value Props

Help increase safety with an all-in-one solution that can detect and track elevated body temperature of visitors and staff

Execute efficient body temperature scanning with a high-accuracy solution to increase staff productivity by allowing them to focus on more valuable tasks

Help control the spread of infectious disease with immediate alarm notifications and locking system, enabling businesses to experience high traffic

Intel Components

- Intel® Core™ i3 & i7 Processors
- Intel® Atom® Processors
- Intel® Xeon Processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Movidus™ VPUs

Cloud
Access Control   SMS   Data Report

Server
Data Analytics Platform
Excel csv file
Data Server
Temperature Data
Absence Data

Edge
Edge Computer   Thermal Camera
Thermal Image   RGB Image
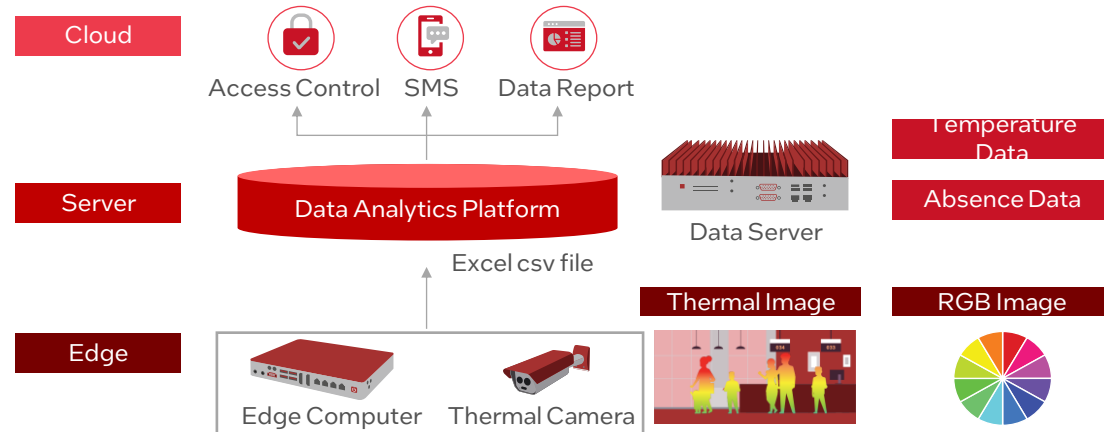
Target Vertical:
Health & Life Sciences

Secondary Vertical:
Education, Government, Hospitality, Retail, Other

Target Use Case:
Human Wellness Monitoring

Geo Availability
United States, Australia, New Zealand, India, Japan, South Korea, People's Republic of China, Taiwan, Germany, United Kingdom

Learn More
- Vecow Solution Website
- Vecow Website

Vecow

Vecow Co., Ltd. Machine to Machine Solution

Solution Overview

A scalable, cost-effective plug-and-play smart factory solution that enables machine automation and predictive maintenance. The Vecow solution enables smart factories to optimize manufacturing processes, reduce workloads, and maximize efficiency.

Value Props

Reduce cost with machine automation that helps customers avoid rework and corrective maintenance

Maximize productivity with a solution that allows for longer factory work-hours and increased uptime

Make informed decisions by gathering and analyzing data on machine down time, alarm history, and productivity

Intel Components
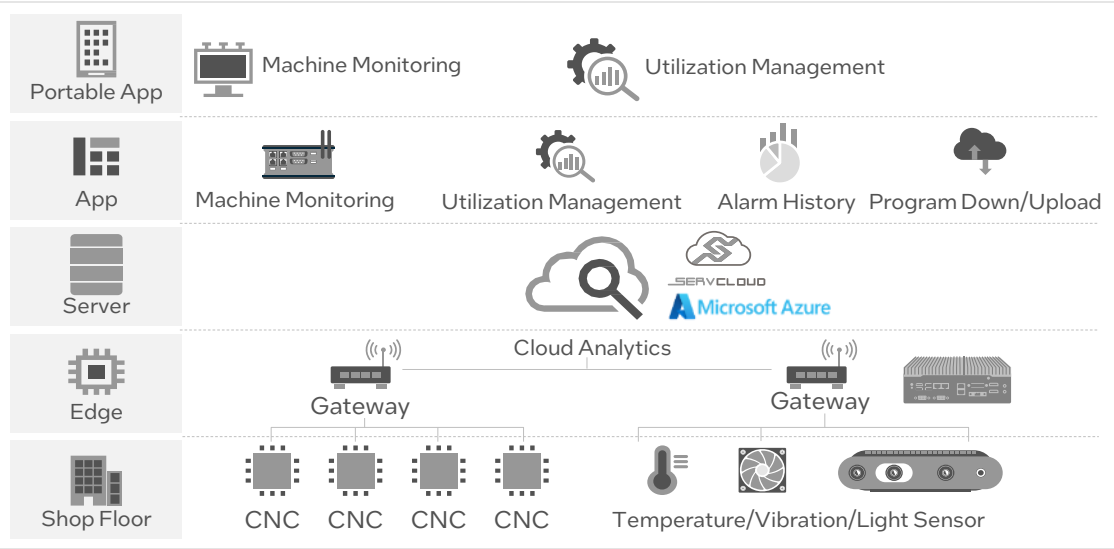
- Intel® Core™ i5 Processors
- Intel® Xeon® Processors

Portable App — Machine Monitoring — Utilization Management

App — Machine Monitoring — Utilization Management — Alarm History — Program Down/Upload

Server — SERVCLOUD — Microsoft Azure

Edge — Gateway — Cloud Analytics — Gateway

Shop Floor — CNC CNC CNC CNC — Temperature/Vibration/Light Sensor

Target Vertical: Manufacturing

Target Use Case: Machine Condition Monitoring

Secondary Use Cases: Asset & Operations Optimization, Control Optimization & Autonomy

Geo Availability

Available in Taiwan, China, Thailand, India, Germany, Denmark

Learn More

- Vecow home page
- Cosmos partner page

Vecow Surface Defect Inspection Solution

Solution Overview

Vecow Surface Defect Inspection Solution is a cutting-edge physical inspection solution that automates the visual inspection process. This solution collects quality data in real-time while saving costs and improving the false acceptance rate. The solution indicates surface defects on products that conventional machine vision technology would struggle to identify.

Value Props

Continuously improve defect detection rates by leveraging built-in feedback that reduces potential costly errors

Reduce costs and increase ROI with a solution that deploys quickly and can be integrated into existing infrastructure

Streamline deployment and management time with actionable data that surfaces changes in production quality within seconds

Intel Components

- Intel® Xeon Processors
- Intel® Core™ Processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Movidius™ VPUs
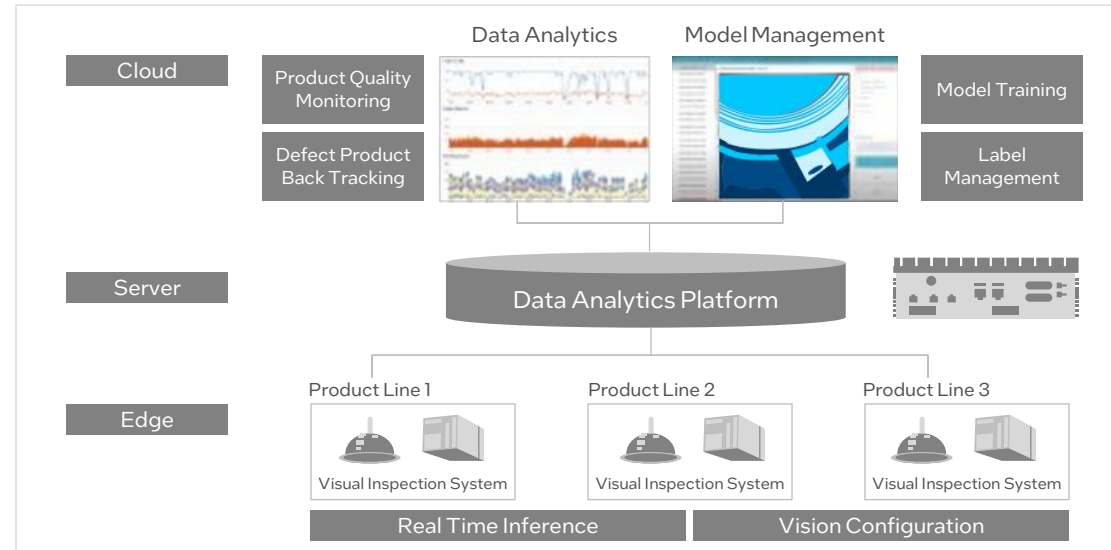
Target Vertical: Manufacturing

Target Use Case: Product Inspection

Secondary Use Case: Logistics & Tracking

Geo Availability

Available in United States, PRC, Japan, Canada, Taiwan, Germany, and the UK

Learn More

- Vecow website

Diagram

Cloud
- Product Quality Monitoring
- Defect Product Back Tracking
- Data Analytics
- Model Management
- Model Training
- Label Management

Server
- Data Analytics Platform

Edge
- Product Line 1 — Visual Inspection System
- Product Line 2 — Visual Inspection System
- Product Line 3 — Visual Inspection System
- Real Time Inference
- Vision Configuration

Vecow

Vecow Sterilization AMR

Solution Overview

In today's market, many offices, hotels, and buildings are searching for a contactless sterilization system. To address this demand, the Vecow VIK-UV Sterilization AMR was developed to provide a sterilization solution that is also capable of transporting up to 80kg of weight. With the solution's dynamic mapping system, the AMR can avoid non-static obstacles – such as humans and other AMRs, detect environmental boundaries, and operate in the dark by utilizing a combination of cameras, micro-sensors, and a LIDAR array. The VIK-UV AMR also comes with the VHub ROS, a SWARM enabled solution with AI and Robotic Control functions that accelerate AMR application and protocol development.

Value Props

Maintains healthy and safe working environments by sterilizing over 21.6% of passed surface areas and automating tasks that facilitate strict exposure protocols

Increases workplace efficiency by automating delivery tasks and helping facility management teams focus on high priority tasks

Reduces total cost of ownership with flexible device rates, customer support, and an intuitive SDK interface that helps customers rapidly deploy their AMR fleet

Intel Components

- Intel® Core™ Processors i5, i7, i9
- Intel® Xeon® Processors
- Intel® RealSense™ D435i
- Intel® Distribution of OpenVINO™ toolkit

Cloud	Sterilization	Goods Carriage	Fully Autonomous	Fleet management	Touchless Control	Map Recording	Abnormal Alarm
Server	Data Analysis Platform		Real-time Positioning		Power Status	Speed	
Edge	VIK-UV	SPC-7100	**Sensors Components**	Lidar / Motor	DVC-1000 (Intel RealSense D435) / Wheel	UV Light	

Target Vertical: Manufacturing

Secondary Verticals: Health and Life Sciences, Hospitality and Restaurants, Retail

Target Use Case: Logistics & Tracking

Secondary Use Case: Environmental Monitoring

Geo Availability Asia, Pacific, and Japan, Americas, Europe, Middle East and Africa, People's Republic of China

Learn More
- Vecow - VHub ROS
- Product Demo - Video

vehant TECHNOLOGIES

Vehant Technologies TrafScan® Vehicle Detection System

Solution Overview

As cities grow, they face increasing infrastructure challenges and congestion. Proper management is needed to maintain efficient traffic operations and to keep drivers and other road users safe. TrafScan® Vehicle Detection System by Vehant Technologies is a state-of-the-art, high-resolution vehicle detection camera system that uses artificial intelligence and machine learning-based vision algorithms. It is a non-intrusive system designed to provide vehicular flow information to urban traffic control systems. It enables the verification of vehicle presence, occupancy, count, and classification at traffic signals, as well as automatic incident detection, queue length calculation, and traffic density analysis, in order to help support traffic management.

Value Props

Enhance traffic flow with advanced high resolution visual data analytics to support traffic monitoring and proactive traffic signal control.

Help improve road safety with real time vehicle and pedestrian detection and automatic and verifiable incident alerts to enable faster emergency response.

Optimize cost savings with a solution that is quick and easy to deploy and can be installed on existing infrastructure.

Kit Components

- Intel® Distribution of OpenVINO™ toolkit
- Intel® Ethernet technology
- Intel® Core™ i5 processors

Target Vertical:
Government

Secondary Vertical:
Transportation

Target Use Case:
Situational Monitoring

Geo Availability
APJ

Learn More
- TrafScan® Solution Webpage
- News article highlight on Vehant Technologies

Vehicle Detector Camera 2

Vehicle Detector Camera 3

CAT 6

CAT 6

CAT 6

CAT 6

Vehicle Detector Camera 1

Vehicle Detector Camera 4

Network Switch

Laptop

LPU Powered by Intel

API

Configurations/Monitoring/ Report Communication Channel over LAN

Traffic Light Controller

Third Party System

Processor: Intel i5 or better
Generation: 10th Gen or better
RAM: 4 GB
Storage: 250 GB SSD or better

Traffic Light

Drive-Thru Analytics Solution for Quick Service Restaurants (QSR)

Solution Overview

Customers these days want quick and seamless checkout experiences with contactless payment. Restaurants want to meet these demands while also capturing insights from these actions. To meet this demand, V-Series developed the Drive-Thru Analytics Solution for Quick Service Restaurants, a total solution for fast checkout and drive-thru ordering that serves both business operators and customers. The solution collects customer data from various kiosks before sending to the cloud for further analysis. Key stakeholders can access these insights to empower decisions related to sales and operational efficiencies.

Value Props

Enhance end customer experience with an intuitive digital interface that quickly and conveniently guides users through the purchasing process

Scale and allocate resource accordingly with reports that demonstrate trends related to ordering behavior to inform strategic business decisions

Reduce operational costs with dynamic kiosk displays that allow menus and promotional content to be updated remotely, mitigating the need for manual intervention

Kit Components

- Intel® Core™ i5 Processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Arc™ Graphics Drivers

Self Ordering Kiosk
- Face Recognition
- Ordering
- Payment

Front end data:
- Face Recognition input
- Order Detail
- Payment detail

Data Security Gateway → LAN/WAN → Encrypt Data → LAN/WIFI

Cloud Server — DB
- vigit CLOUD
- Big data and reporting Server
- Encrypt Data → Data Security Gateway → Decrypt Data

Gateway
- Face Recognition
- Payment
- Self Order

Drive-thru Communication System & Analytic Panel

Post-Ordering Digital Menu Signage

Vehicle Detector 2

Vehicle Detector 1

F2F Ordering & Payment Kiosk

Pre-Ordering Digital Menu Signage

Target Vertical:
Hospitality and Restaurants

Secondary Vertical:
Retail

Target Use Case:
Situational Monitoring

Geo Availability
APJ

Learn More
- V-Series Website
- V-Series Drive-Thru Solution

V-Sync SmartVendor

Solution Overview

A state-of-the-art digital signage vending machine equipped with a large LCD, LTE, face recognition, AI and more. V-Sync SmartVendor provides many additional functions from distributing refreshing beverages or hot food to disseminating disaster information.

Value Props

- Maximize revenue with a multifunctional solution

- Minimize opportunity loss with an autonomous maintenance system

- Engage more customers as the solution serve as an interactive information board, take customer photos, and more

Intel Components
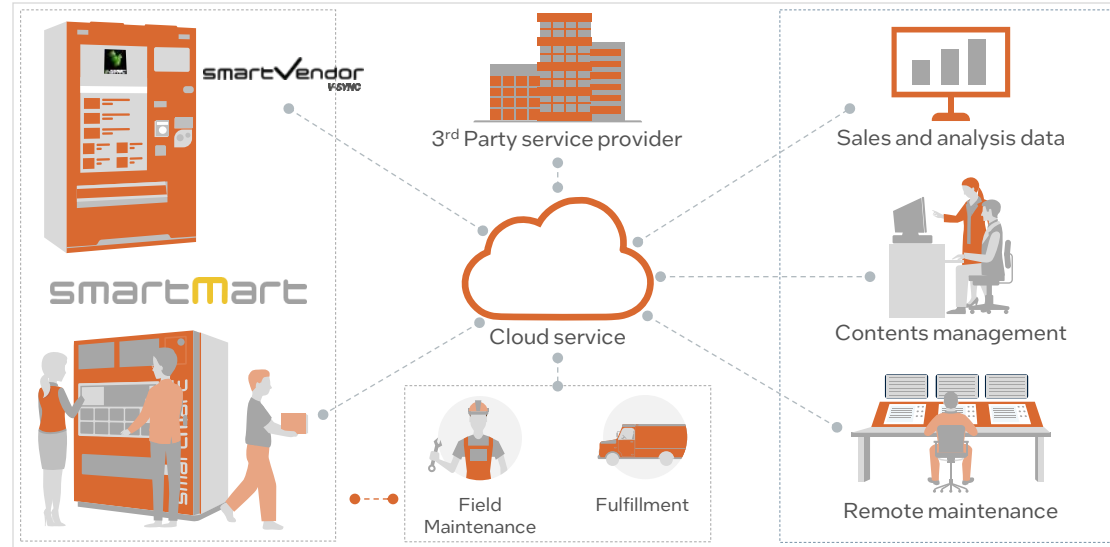
Intel® Core™ i7 vPro

smartVendor V-SYNC

smartmart

3rd Party service provider

Cloud service

Field Maintenance   Fulfillment

Sales and analysis data

Contents management

Remote maintenance

Target Vertical: Retail

Secondary Verticals: Government

Target Use Case: Asset & Operations Optimization

Geo Availability
Japan

Learn More
- The V-Sync Official Website

Vesystem Cloud Terminal Healthcare Solution

Solution Overview

An end-to-end cloud desktop solution from Vesystem integrates VDI, VOI, and IDV to achieve front-end and back-end hybridization. Organizations can use the solution to enhance management, security, operation, and maintenance of their large-scale terminals, enabling hospitals to upgrade their IT processes

Value Props

Increase operational efficiency with centralized deployment, maintenance, management, and security of virtual desktops

Help improve data security by integration of medical resources into a single cloud management platform for more effective control and share

Enjoy rapid deployment with a highly compatible solution that does not require changes to original network structure or business applications

Intel Components

- Intel® Celeron® Processors
- Intel® Core™ i3 Processors
- Intel® Core™ i5 Processors
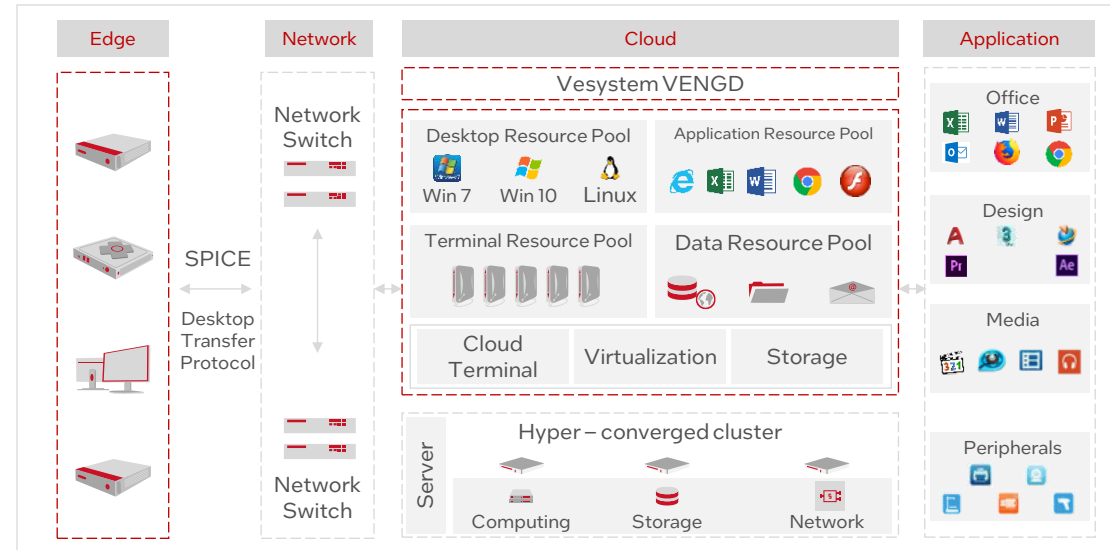
Target Vertical: Health & Life Sciences

Target Use Case: Asset & Operations Optimization

Geo Availability
PRC

Learn More
- Vesystem Website

Videonetics Intelligent Video Management Software

■ Solution Overview

A hierarchical, distributed, and modular enterprise-class video management solution capable of serving diverse use cases with multi-site support. Features fully integrated video management tools to transform raw video data into actionable insights.

■ Value Props

Streamline video management with simple and intuitive GUI

Leverage AI deep learning with integrated object classification and identification

Scale across multiple verticals with unified, monolithic system architecture

■ Intel Components

- Intel® Xeon® processor
- Intel® Core™ i7 processor
- Master, database, media, video analytics, event aggregation, API, and third-party integration API servers
- IoT gateway/edge processor
- Workstations

Top-level intelligent VMS systems architecture diagram
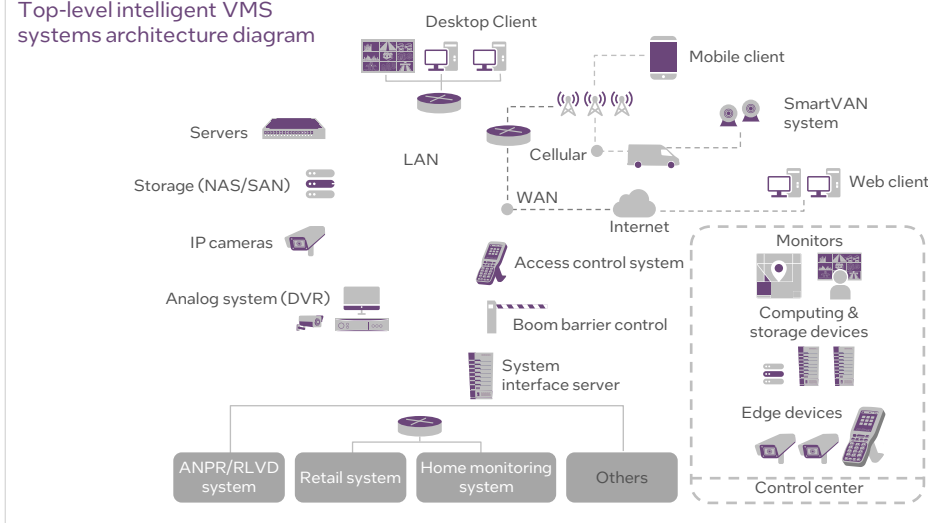
Desktop Client
Mobile client
Servers
LAN
Cellular
SmartVAN system
Storage (NAS/SAN)
WAN
Web client
Internet
IP cameras
Monitors
Access control system
Analog system (DVR)
Computing & storage devices
Boom barrier control
System interface server
Edge devices
ANPR/RLVD system | Retail system | Home monitoring system | Others
Control center

Target Vertical: Transportation

Secondary Verticals: Retail, Banking/Financial Services, Hospitality, Education, Health & Life Sciences

Target Use Case: Situational Monitoring
Secondary Use Cases: Asset & Operations Management, Product Inspection

Geo Availability
Available in SE Asia, Europe, US, UK, Middle East and Africa

Learn More
Videonetics Resources
- Videonetics Intelligent VMS Webpage

Intel Resources
- Videonetics Intel® Solutions Marketplace

ViewSonic ViewBoard

Solution Overview

An Interactive Flat Panel (IFP) that provides a scalable and adaptable digital collaboration and whiteboarding experience

Value Props

Promote collaboration by allowing users to connect and interact with meeting content in real time, from any location

Foster creativity using interactive software to draw on-screen for more engaging presentations

Improve productivity with wireless screen sharing, rapid access to content, and customizable settings

Intel Components

- Intel Unite® software
- Intel® Core™ i5 vPro™
- Intel® Core™ i7 vPro™
- Intel Wi-Fi Module
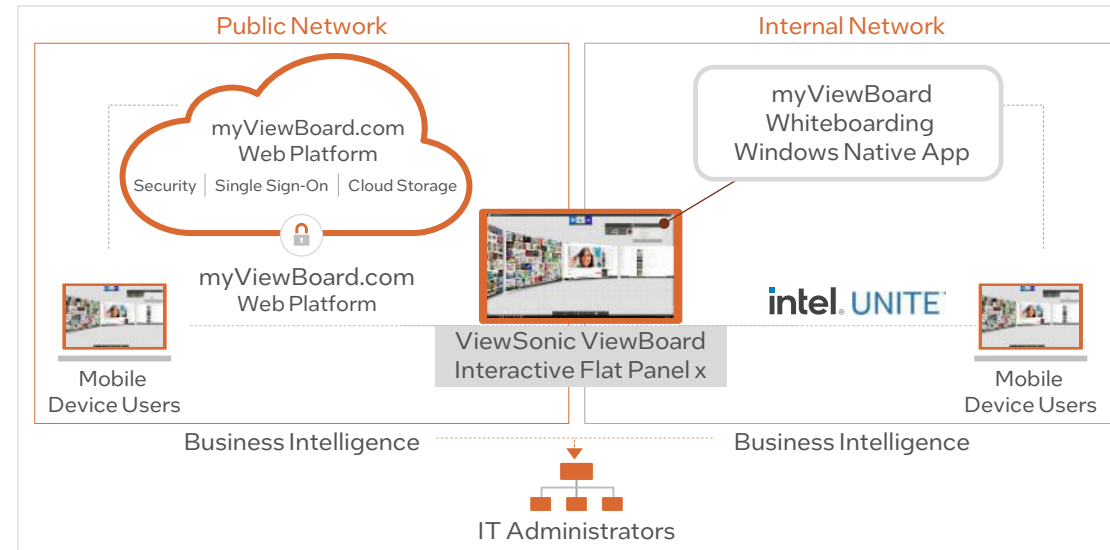
Public Network

myViewBoard.com
Web Platform

Security | Single Sign-On | Cloud Storage

myViewBoard.com
Web Platform

Mobile
Device Users

Business Intelligence

Internal Network

myViewBoard
Whiteboarding
Windows Native App

intel. UNITE

ViewSonic ViewBoard
Interactive Flat Panel x

Mobile
Device Users

Business Intelligence

IT Administrators

Target Vertical: Retail

Secondary Vertical:
Education

Target Use Case: Interactive Media

Geo Availability

Available in the Americas, APAC, Australia/New Zealand, and EMEA

Learn More
- ViewSonic and Intel collaboration on Business Insider
- ViewSonic ViewBoard demo video and training video
- ViewSonic Viewboard compass
- Intel® Solutions Marketplace

ViewSonic Wireless Collaboration Display

Solution Overview

Wireless Collaboration Display is a high-quality video conferencing solution that provides next-generation tools to help spark creativity and drive productivity. Equipped with a premium conference camera, microphone array, 4K touchscreen, and an Azure IoT sensor, ViewSonic delivers the cutting-edge technology organizations need to digitally transform the workplace, increase meeting efficiency, and drive ideas forward.

Value Props

Connect seamlessly with instant plug-and-play, wireless, and browser-based connection capabilities that help users quickly and easily display content

Optimize collaboration with cutting-edge audio and video technology, a high-resolution display, and a natural writing experience

Simplify setup with user-friendly installation, out-of-the-box functionality, and integrated management and maintenance systems

Intel Components

- Intel® Core™ i7 Processors
- Intel® Core™ i5 Processors
- Intel vPro® Platform

Sensor hub (Azure IOT certified)

myViewBoard Whiteboard SW

Meeting room

Business Intelligence

- myViewBoard Manager
  – Microsoft Azure IoT

Public Network

intel UNITE

Internal Network (VPN)

Business Intelligence

Business Intelligence
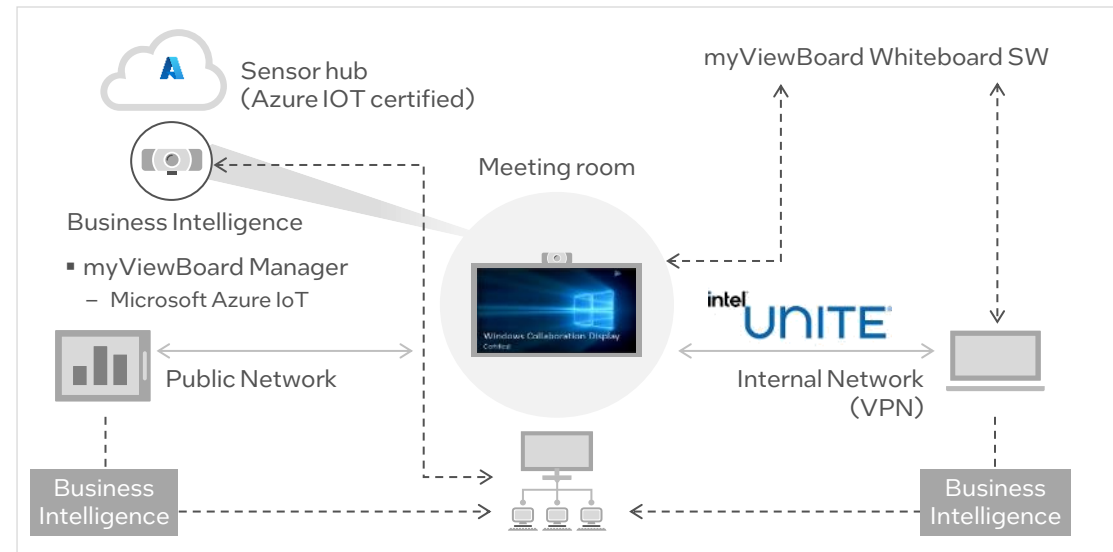
Target Vertical: Other

Secondary Verticals: Banking & Financial Services, Education, Government

Target Use Case: Interactive Media

Secondary Use Cases: Asset & Operations Optimization, Environment Monitoring

Geo Availability
North America, Australia, New Zealand, India, Taiwan, Germany, Israel, Middle East, North Africa and Turkey, Russia, and the United Kingdom

Learn More
- ViewBoard® IFP70 Webpage
- Deloitte Uruguay Modernizes Boardrooms Case Study

Solution Overview

The Vision System solution provides an edge compute processing system designed for computer vision and artificial intelligence applications on industrial production lines. The solution enables real-time quality control, part measurement, counting, and other analysis options and is applicable to several manufacturing segments, such as automobile, food, cosmetics, mining, etc.

Value Props

Increases efficiency and reliability in the production process with robust vision hardware optimized for industrial applications and built-in security features.

Improves quality control with a top image-processing solution that enables more precision for inspection and automation tasks with special SW and digital cameras.

Supports diverse deployments with flexible configuration to meet specific usage requirements and various industry scenarios.

Intel Components

- Intel® Celeron® processors
- Intel® Atom® processors

Computer Vision System Market Ready Solution

Video

Object/Product

Captured Images

GigE/USB Vision

MV-SENS Camera

Cloud/ Client Intranet

Aggregated data/OEE

Modbus TCP/Digital IO

Sales Guidance: Indicators that the Computer Vision System solution may be a good fit.

Assess:
- ☐ Manufacturers looking to automate product inspection/quality control processes
- ☐ Manufacturers wanting to improve end-product quality/consistency
- ☐ Manufacturers requiring compact and cable-free image processing

Discover:
- ☐ Guarantee product quality
- ☐ Optimize profitability
- ☐ Save space with a compact design

Pain Points:
- ☐ Big cameras requiring large footprint
- ☐ Poor quality control
- ☐ High workforce costs

Primary Industry:
Manufacturing

Additional Industries:
Agriculture

Primary Use Case:
Product Inspection

Additional Use Cases:
Situational Monitoring

Geo Availability:
Americas

Solution Sales Contact:
https://digitalesistemas.weg.net/lp-contato-wds

Intel Sales Contact:
Daniel Rodrigues Bello
daniel.rodrigues.bello@intel.com

Solution Webpage:
https://www.weg.net/institutional/BR/pt/digital-solutions/solutions/sistemasdevisao

WEG Mobile Robot

Solution Overview

The WEG Mobile Robot (WMR) is an autonomous mobile robot (AMR) type logistics robot that uses an innovative natural or contour navigation strategy. Unlike others logistics robots, such as autonomous guided vehicles (AGVs), which rely on specific guides such as magnetic tapes, painted strips, or reflectors, WMR relies on embedded sensors and maps stored in its memory to trace its trajectories. The WMR can navigate autonomously using methods such as simultaneous localization and mapping (SLAM), which allows it to avoid dynamic obstacles in its path and automatically replan routes when blocking situations are identified.

Value Props

LiDAR sensor, safety PLC, servo drive with STO (Safe Torque Off), and brake system.

Autonomous contour navigation.

Scalability and operation with heterogeneous fleets through the VDA5050 protocol.

Integration with MES (manufacturing execution systems), ERP (enterprise resource planning) systems, and WMS (warehouse management system).

Remote access for monitoring, supervision, and control.

Intel Components

- Intel® Core™
- Intel® Celeron®
- Intel® RealSense™ Technologies
- Intel® Wireless-AC Products
- Intel® OpenVINO™
- Intel® Edge Controls for Industrial

Sales Guidance: Indicators that the WEG Mobile Robot solution may be a good fit.

Assess:
❑ Manufacturers looking to automate the process of collecting and transporting materials
❑ Businesses interested in reducing manual lifting and moving of items by employees

Discover:
❑ Avoid collisions
❑ Integrate software with existing robot fleets
❑ Optimize energy usage and extend operational time

Pain Points:
❑ Lengthy idle/downtime of mobile robots
❑ Difficult-to-use software
❑ High mobile robot collision rates

WEG Mobile Robot Market Ready Solution

User → GUI → Web Browser → HTTP → Server → MQTT → WMR
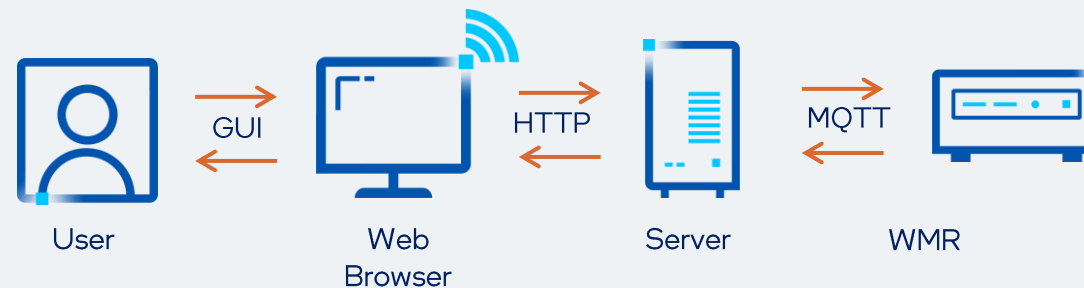
Primary Industry:
Manufacturing

Additional Industries:
Health & Life Sciences, Hospitality & Restaurants, Retail, Transportation & Warehousing

Primary Use Case:
Asset & Operations Optimization

Additional Use Cases:
Control Optimization & Autonomy, Environment Monitoring, Logistics & Tracking, Situational Monitoring

Geo Availability:
Global

Solution Sales Contact:
https://digitalesistemas.weg.net/lp-contato-wds

Intel Sales Contact:
Daniel Rodrigues Bello
daniel.rodrigues.bello@intel.com

Solution Webpage:
https://www.weg.net/catalog/weg/BR/en/Digital-Solutions/Robots/WEG-Mobile-Robot/WEG-Mobile-Robot/p/MKT_WDC_BRAZIL_PRODUCT_DIGITAL_WEG_MOBILE_ROBOT

Widya Robotics Intelligent Gate

Solution Overview

The Widya Robotics Intelligent Gate harnesses the power of cutting-edge AI and reliable Intel® architecture to provide organizations with an integrated turnstile barrier that automatically provides employee identification, scans for the use of Personal Protective Equipment (PPE), and checks body temperature. In just moments, the Widya Robotics Intelligent Gate can identify and verify individuals for fast and secure location access.

Value Props

Help enhance security with a solution that utilizes AI technology for biometric identification to ensure only approved individuals gain entrance.

Streamline workflow with a solution that makes employee identification verification fast and simple through biometric identification.

Reduce costs with a solution that fully automates entrance identification and avoid the need for manual verification.

Intel Components

- Intel® NUC
- Intel® Distribution of OpenVINO™ toolkit

Worker → Camera → Intel PC with Intel Open Vino Runtime → Turnstile Gate → Log & Analytic Dashboard
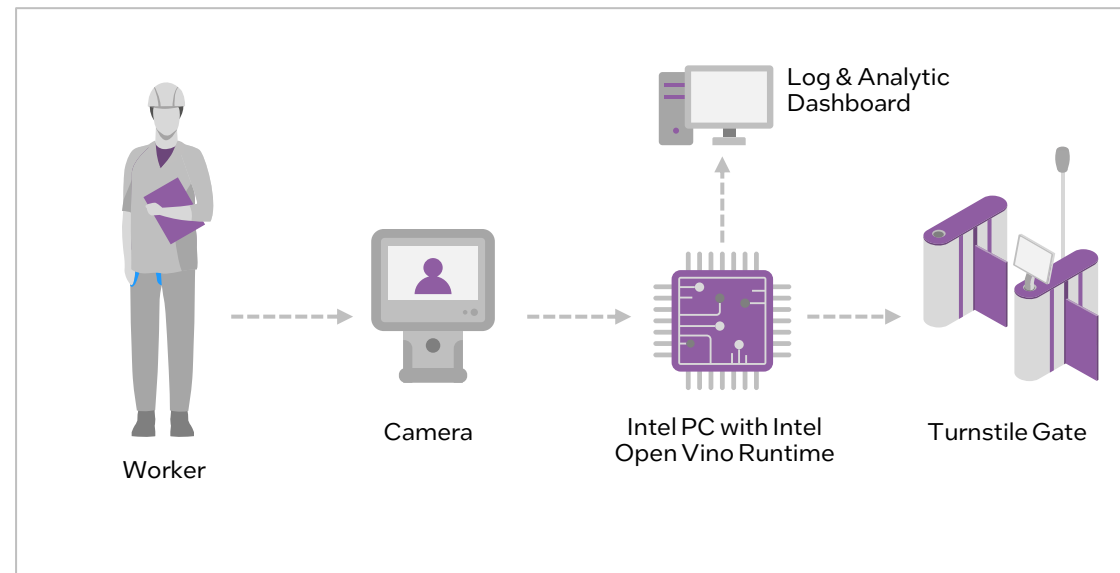
Target Vertical:
Government

Secondary Vertical:
Education, Energy, Health and Life Sciences, Hospitality, Retail, Manufacturing, Transportation, Banking/Financial Services

Target Use Case:
Control Optimization & Autonomy

Geo Availability
Asia, Pacific, and Japan

Learn More
- Widya Robotics Website
- Intelligent Gate Webpage
- Intelligent Gate Video Profile

Wincomm Corporation Smart EMR Solution for e-Healthcare

Wincomm Corporation

■ Solution Overview

A series of high-powered medical display panels that enables healthcare providers' preexisting EMR Software. By connecting healthcare facilities with high-res, versatile panels and monitors, hospitals are able to stay connected and easily share important data.

■ Value Props

Connect healthcare facilities with flexible implementation across various locations

Increase Patient Safety with anti-bacterial device housing

Ensure consistent operability through a collection of failsafe features and additional ports for flexible expansion

■ Intel Components

- Intel® Core® i5-7200U
- Intel® Core® i5-6200U
- Intel® Core® i7-7700T
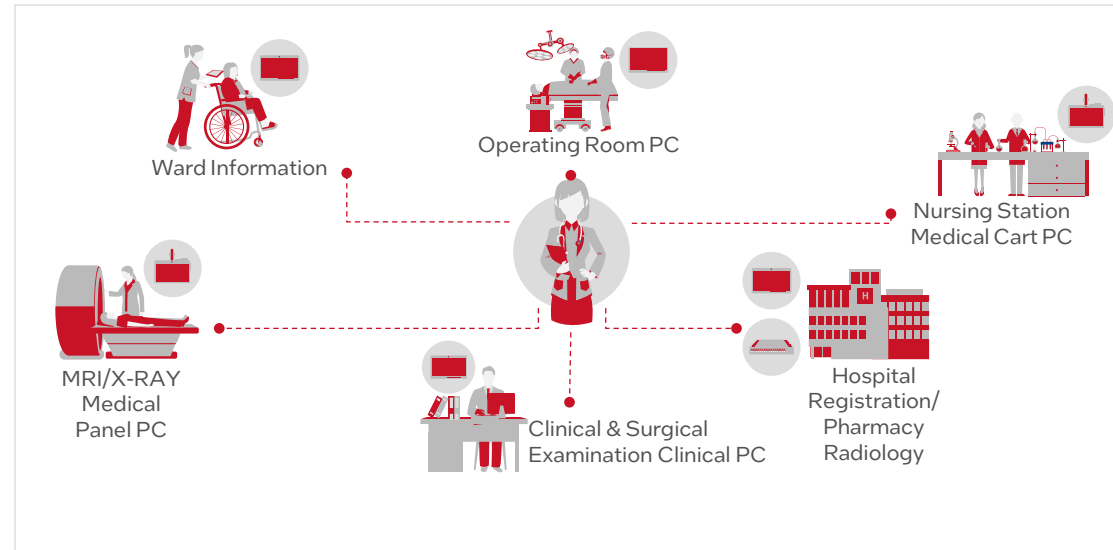
Ward Information

Operating Room PC

Nursing Station Medical Cart PC

MRI/X-RAY Medical Panel PC

Clinical & Surgical Examination Clinical PC

Hospital Registration/ Pharmacy Radiology

Target Vertical: Health & Life Sciences

Secondary Verticals: Government

Target Use Case: Asset & Operations Optimization

Geo Availability
US, EU, APAC, Japan

Learn More
The Wincomm Corporation Smart EMR Solution for e-Healthcare website here

intel

Wincomm Corporation Smart Hygiene Control Solutions

Wincomm Corporation

Solution Overview

Wincomm's Smart Hygiene Control Solutions incorporates high-processing power with IPDD/69K Panel PCs. First, it collects and analyzes image data from industry setting processes, such as images of pills, food, mouth covers, and even behaviors. Then, from the data analysis, the system is optimized via machine learning.

Value Props

Help maintain a sanitary workplace with hardware that incorporates advanced tech for sanitary purposes

Provide high-adaptability to keep up with fast-moving industry pacing, from the manufacturing setting, to food processing plants, and medical centers

Monitor industry processes easily with high-powered systems to streamline processes

Intel Components

- Intel® Core™ i5-6500
- Intel Atom® Processors
- Intel® Celeron® Processors
- Intel® Core™ i5 and i7 Processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Vision Accelerator Design with Intel®
- Movidius™ Myriad™ X Visual Processing Unit
- Intel® Ethernet Controller I210-AT
- Intel® Ethernet Connection I219-LM
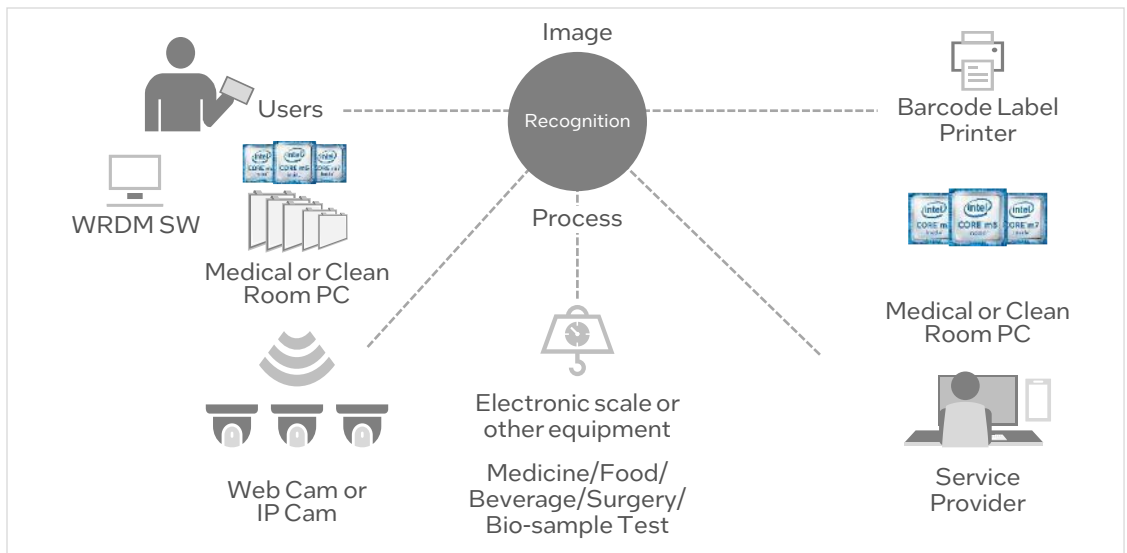
Target Vertical: Manufacturing

Target Use Case: Situational Monitoring

Secondary Use Case: Asset and Operations Optimization

Learn More
- Application Story
- Intel® Solutions Marketplace
- Stainless Steel Panel PCs' Data Sheets

Diagram labels
- Image Recognition
- Process
- Users
- WRDM SW
- Medical or Clean Room PC
- Web Cam or IP Cam
- Electronic scale or other equipment
- Medicine/Food/Beverage/Surgery/Bio-sample Test
- Barcode Label Printer
- Medical or Clean Room PC
- Service Provider

intel

Winmore Digit-China Barcodeless Goods Identification Kit

Solution Overview

Most customers are no stranger to long checkout lines at the grocery store. Queues are even longer when employees are required to memorize and manually input lengthy product codes for barcodeless items such as bulk dry goods or fresh produce (e.g., fruits, vegetables, dry food, seafood, bulk snacks, and bakery products). Manual checkout tasks can be time-consuming, costly, and inaccurate increasing the demand for automated solutions that help improve customer service, boost employee morale, and reduce labor costs. The Winmore Digit-China Winmore Barcodeless Goods Identification Kit leverages artificial intelligence to automatically identify products at checkout terminals, with or without barcodes, to help streamline transaction processes.

Value Props

Improve customer experiences by reducing transaction time and shortening customer queues with an automated product identification, weighing, and pricing solution

Streamline operations and increase efficiency by decreasing the need for staff intervention with an easy-to-use smart interface that self-trains to increase customer throughput

Reduce operational costs through AI visual inspection that helps optimize staff allocation, and decreases the need for staff training

Kit Components

- Intel® Distribution of OpenVINO™ Toolkit
- Intel® Atom® Processors
- Intel® Core™ i3 Processors
- Intel® Xeon® Processors
- Intel® Server GPU

Start: Place the product on the device

End: Remove the product

output 2 → Hide interface

Weight Information

output 1

Product Detection

Product Recognition Information

Product Information
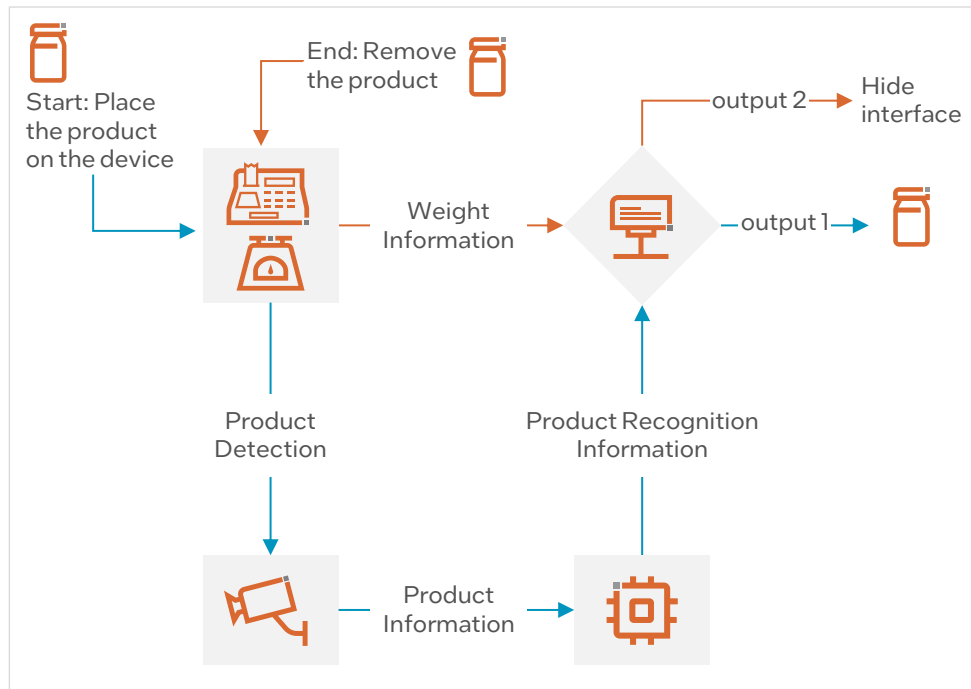
Target Vertical:
Retail

Secondary Vertical:
Agriculture, Health and Life Sciences, Hospitality and Restaurants

Target Use Case:
Asset and Operations Optimization

Geo Availability
APJ, Americas, Europe, Middle East, Africa, and PRC

Learn More
- Winmore Digit Home

Wipro Smart i-Mine

Solution Overview

Wipro's Smart i-Mine solution improves the safety, efficiency, and productivity of mining operations by leveraging various sensors, devices, and networks to collect data on mining activities, equipment, and environment. This data is analyzed in real-time to provide actionable insights and automate processes, thereby optimizing mining operations. Remote sensing is particularly valuable when working in hazardous areas, because by implementing a sensor network, mining companies can monitor and mitigate dangerous situations promptly. This helps mine operators pinpoint trouble spots early, enabling predictive maintenance and preventing environmental issues before they occur.

Value Props

Streamline operations by leveraging AI-based analytics to optimize the use of space, energy, and resources to reduce the cost of mining operations

Improve worker safety with actionable insights which help ensure that safety protocols are followed, and potential dangers are mitigated

Enhance sustainability with AI analysis which can help minimize the waste of fossil fuels and track environmental impacts of mining operations

Intel Components
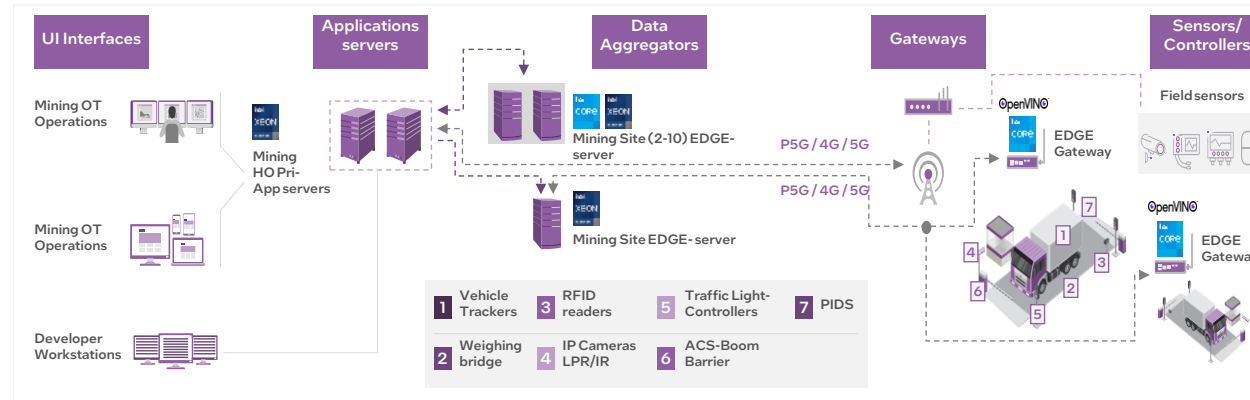
- Intel® Xeon® SP Gold
- Intel® Xeon® SP Silver
- Intel® Core™ i3, i7, i9 processors
- Intel® Distribution of OpenVINO™ toolkit

Target Vertical:
Transportation and Warehousing

Target Use Case:
Asset & Operations Optimization, Logistics & Tracking

Geo Availability
Pacific, Japan, Europe, Americas, Middle East and Africa

Sales Contact
raj.br7@wipro.com

Solution Webpage
Wipro | Optimize transport operations

Learn More
Wipro | Ambitions Realized

UI Interfaces — Applications servers — Data Aggregators — Gateways — Sensors/Controllers

Mining OT Operations

Mining OT Operations

Developer Workstations

Mining HO Pri-App servers

Mining Site (2-10) EDGE-server

Mining Site EDGE- server

P5G / 4G / 5G

Field sensors

OpenVINO EDGE Gateway

OpenVINO EDGE Gateway

| 1 | Vehicle Trackers | 3 | RFID readers | 5 | Traffic Light-Controllers | 7 | PIDS |
| 2 | Weighing bridge | 4 | IP Cameras LPR/IR | 6 | ACS-Boom Barrier | | |

WINTEC 英泰

QINGDAO Wintec Self-Checkout Solution Enabled with Loss Prevention

Solution Overview

The Wintec Self-Checkout Solution Enabled with Loss Prevention leverages edge-to-cloud connectivity to provide a seamless and secure customer experience. It begins at the edge, where customers interact with the self-checkout kiosk. At the edge, video camera feeds capture data that is processed in real-time using AI behavior recognition, to swiftly detect abnormal patterns that could indicate potential theft. If unusual behavior is detected, the POS alert light turns red, prompting employees to monitor the transaction. After the transaction is completed, data is encrypted and transmitted to the cloud for further processing. In the cloud, this data is analyzed to refine loss prevention and AI behavior algorithms to enhance their accuracy and effectiveness over time.

Value Props

Improve profitability through advanced loss prevention using a solution that detects shoplifting, identifies potentially fraudulent activities, and predicts possible theft patterns to protect your inventory and reduce shrinkage.

Boost customer satisfaction with a user-friendly solution that simplifies the checkout process for shoppers to increase transaction efficiency, minimize wait times, and elevate the customer experience.

Empower strategic business decisions with real-time data analysis that offers valuable insight into customer shopping patterns and preferences to help inform strategic decisions that drive sales.

Intel Components

- Intel® Core™ i3 processors
- Intel® Core™ i5 processors
- Intel® Distribution of OpenVINO™ toolkit

Back-end — ERP

Front-end — Membership | Http/Https frame | System log | Settings | Hard drive
Payment | Data transfer (Json or others) | System update
Mobile | Others | Commodity scanning | OpenVino Gesture Recognition
Transaction

Middleware — Drivers

Hardware — Scanner | Printer
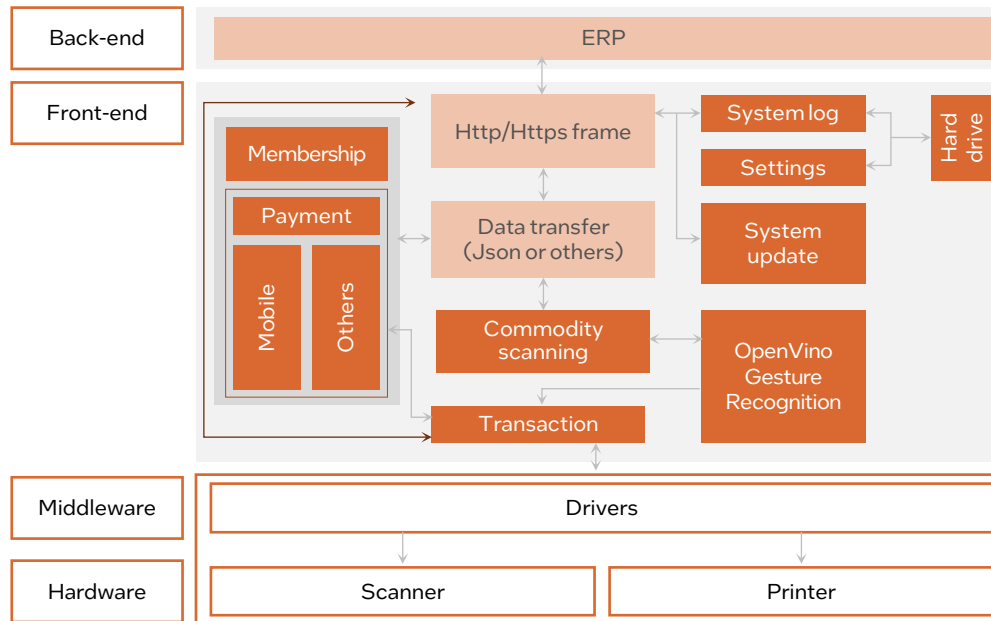
Target Vertical: Retail

Secondary Vertical: Hospitality and Restaurants

Target Use Case: Asset & Operations Optimization

Secondary Use Case: Interactive Media, Logistics & Tracking

Geo Availability

Americas, APJ, EMEA, PRC

Sales Contact

Shang Li - lishang@wintec.cn

Solution Webpage

WINTEC Solution Webpage

Learn More

WINTEC SelfPOS60

Wipro Limited Digital Twin for Smart Buildings

Solution Overview

Property costs represent the second highest expense for an organization due to high operational and maintenance requirements. For businesses to increase their efficiency and optimize across their enterprise, it has become increasingly vital to leverage technology to manage property assets. Wipro's Digital Twin for Smart Buildings provides a foundation for a business' entire smart building environment. It brings together IT and OT systems, IoT sensors, and third-party data and contextualizes this with information about processes and people, creating a dynamic digital replica that can be used to solve a wide variety of issues. The solution supports multiple workflows and helps realize data analytics, enabling businesses to streamline operations.

Value Props

Reduce operational costs with an end-to-end solution that helps lower workforce workloads and building maintenance costs

Streamline building management systems with a unification system designed to navigate multiple siloed systems across an enterprise

Increase user satisfaction with an interface that provides single pane view of buildings, adjustable based on user preferences

Move towards sustainability with real-time, auditable, system-driven carbon, footprint, waste, water, and environment data

Proven Results

- **The situation:** A leading construction and Facilities Management Solution (FMS) player of Europe was managing multiple buildings using various siloed tools, which led to high operational costs and lack of remote visibility for smooth facility services.
- **The solution:** Wipro deployed its solution to unify the systems and provide a digital twin view of buildings to enable remote facility monitoring and control, which also generated real time descriptive analytics for KPI monitoring through a digital twin model.
- **The results:** With the help of Wipro's solution, the customer was able to improve operational excellence, higher business performance, better user experience and enhance sustainability monitoring.

Intel Components

- Intel® Core™ i7 Processors
- Intel® Core™ i5 Processors
- Intel® Xeon® Scalable Processors
- Intel® Distribution of OpenVINO™ toolkit

Target Vertical: Other
Secondary Verticals: Energy, Retail, Education, Health and Life Sciences, Hospitality and Restaurants, Government, Manufacturing, Transportation and Warehousing

Target Use Case: Asset & Operations Optimization
Secondary Use Cases: Situational Monitoring, Environment Monitoring, Energy Monitoring and Management, Control Optimization & Autonomy, Interactive Media, Machine Condition Monitoring, Human Wellness Monitoring

Geo Availability: Global

Learn More
- Wipro Website
- Wipro and Intel in Smart Buildings
- Wipro Digital Twin Article

Wipro Limited Edge Device Management for OT and IoT

Solution Overview

There has been a multi-fold increase in enterprise dependency on physical assets –business critical and support infrastructure alike. To stay competitive, enterprises need to effectively monitor, manage and control physical devices, edge gateways, processes and events. Edge computing architecture can mitigate latency and downtime issues for IoT use cases, but the IoT device landscape is complicated and often hard to manage. Wipro 's Edge Device Management for OT and IoT empowers its clients to revolutionize their operating models and innovate with a platform that allows them to manage OT systems in tandem with the entire IoT device lifecycle, providing tools for connecting, provisioning, monitoring, managing, configuring, controlling, and evolving a fleet that has widely different devices operated by a huge enterprise. With the Wipro solution, enterprises can stay ahead of the curve.

Value Props
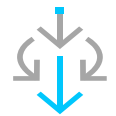
Streamline operations by leveraging service automation, support services, and customized workflows all through one centralized platform

Drive cost savings by eliminating unnecessary hardware and software and reducing capital and operating expenses

Facilitate decision making with real-time OT and IoT system performance insights, enabling proactive and informed system management

Kit Components

- Intel® Core™ i7 processors
- Intel® Xeon® processors

IoT / OT Devices

I/O Modules, RTU, Sensors, Equipment, Edge Gateway, Switches, Meters

OTSM

OTNxT *Powered by Wipro Smart i-Connect™*

Service Desk

Real time view of device data onto centralized dashboard
KPI monitoring and Increased device availability
Proactive monitoring of devices
Optimize device performance
Device Life Cycle management
Better visibility and reporting at individual site level
Remote device management
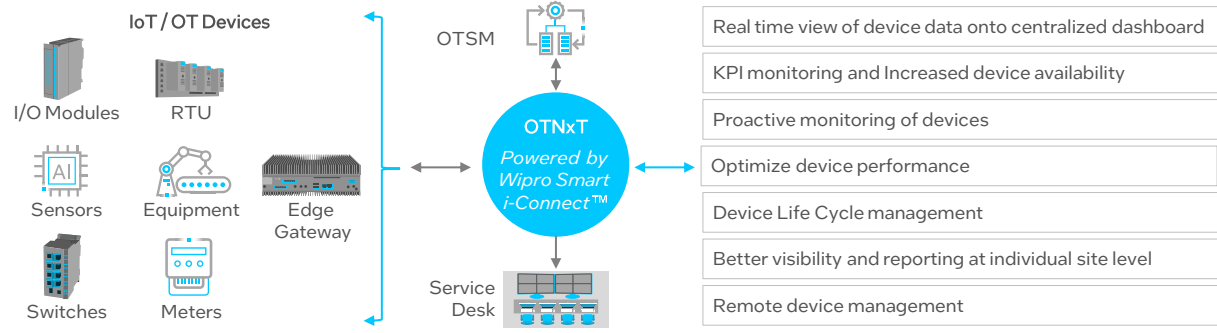
Target Vertical:
Other
Secondary Vertical:
Retail, Education, Energy, Government, Health and Life Sciences, Hospitality and Restaurants, Manufacturing, Transportation and Warehousing

Target Use Case:
Asset & Operations Optimization
Secondary Use Case:
Control Optimization & Autonomy

Geo Availability
APJ, Americas, EMEA

Learn More
- Solution Webpage
- Wipro Website

Wipro Limited Smart i-Building

Solution Overview

Wipro's Smart i-Building solution offers a modular and efficient approach to support smart building use cases, provide facilities management, and promote sustainability. It addresses key business tenants such as operational cost, employee experience, operational excellence, and more. The solution leverages a Building IoT, AI, and automation technology as a key driver for efficiency and to enable a suite of smart building use cases across different industries. It provides a powerful and user-friendly platform for centralized monitoring and management for HVAC, lighting, access control, and network infrastructure and equips customers with intelligence-driven insights to drive operational improvements and digital transformation.

Value Props

Streamline operations with actionable insights to optimize building resources, thus reducing costs

Enhance user experience with simple, intuitive, and personalized interfaces to interact with building data and systems

Improve business performance by leveraging AI to streamline resource management and processes

Enhance sustainability with real-time, auditable, system-driven carbon footprint, waste, water, and environment data

Proven Results

- **The situation:** A leading facilities management solution (FMS) company with siloed systems, limited automation, high operational costs due to reactive management, and no singular operational view for facilities management.
- **The solution:** Wipro offered the Smart i-Building solution to manage multiple buildings from their Operation center and have real-time / near real-time data of assets, sensors and integrated devices to report on resource usage. The edge IoT-based integration provided real-time descriptive analytics for KPI monitoring
- **The results:** By implementing the Smart i-Building solution, the customer could realize facilities management costs by over 15%, reduced overall operational costs by over 10%, and created new revenue streams to expand offers to clients.

1. Intel® MRS Assessment

Intel Components

- Intel® Core™ i7 processors
- Intel® Core™ i5 processors
- Intel® Xeon® Scalable processors
- Intel® Distribution of OpenVINO™ toolkit

Target Vertical: Other
Secondary Verticals: Retail, Education, Energy, Government, Health and Life Sciences, Hospitality and Restaurants, Manufacturing, Transportation and Warehousing

Target Use Case:
Asset & Operations Optimization

Secondary Use Cases:
Interactive Media, Machine Condition Monitoring, Human Wellness Monitoring, Situational Monitoring, Environment Monitoring, Energy Monitoring and Management, Control Optimization & Autonomy

Geo Availability
Global

Learn More
- Wipro Website
- Wipro and Intel in Smart Buildings
- Wipro Smart Buildings Article

Wobot Hygiene and Safety Module

■ Solution Overview

Wobot's Hygiene and Safety Module uses AI-powered video analytics to monitor a wide range of processes and screen for regulatory compliance, adherence to standard operating procedures, and hygiene and safety protocol. The solution provides rapid analysis through edge processing to help business leaders drive safety, efficiency, and situational awareness.

■ Value Props

Enhance safety and process compliance with video analytics capabilities to help protect customers and workers

Streamline integration with a do-it-yourself onboarding tool to help minimize deployment costs and setup time

Enhance incident management with real-time insights and alerts that provide each user with relevant information

Camera → Person → Activity / Object → Auto-assigned activities to users → Analytics and insights

■ Intel Components

- Intel® Core™, Intel® Xeon®, and Intel® Pentium® processors
- Intel® Distribution for Python*

- Intel® Math Kernel Library (Intel® MKL)
- Intel® MKL-DNN
- Intel® Distribution of OpenVINO™ Toolkit

- Intel® Movidius™ Myriad™ VPU
- Intel® Movidius™ Neural Compute SDK
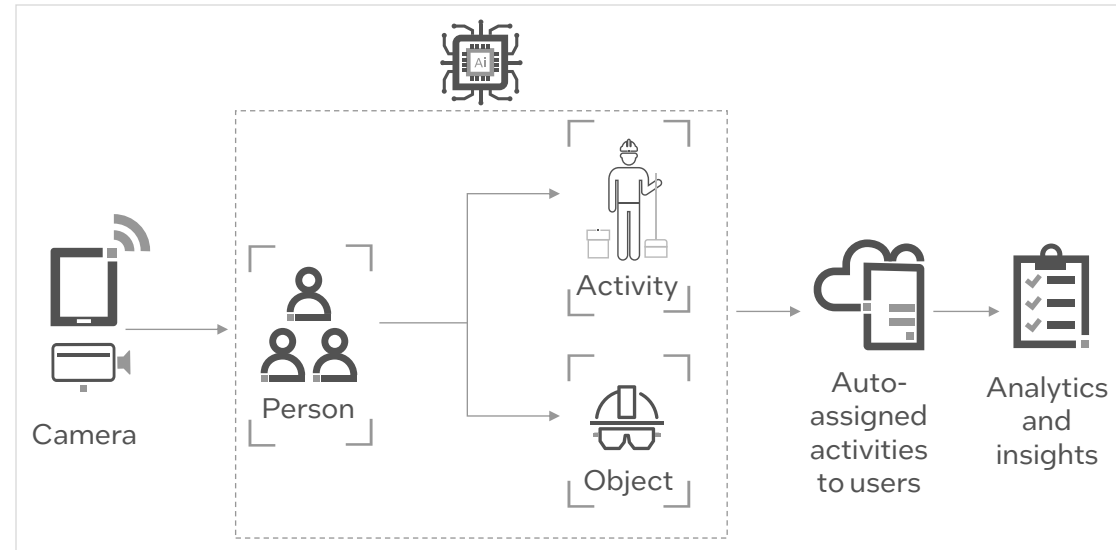
Target Vertical: Manufacturing

Secondary Verticals: Health & Life Sciences, Hospitality, Government, Retail, Transportation, Smart City, Industrial

Target Use Case: Situational Monitoring

Geo Availability

Available in APJ, EMEA, Americas, and PRC

Learn More

- Wobot Website
- Case Study
- Wobot Case Studies

WolfVision Cynap Pure

Solution Overview

WolfVision Cynap Pure transforms meeting rooms and classrooms into wireless BYOD presentation and collaboration environments in education and corporate settings. It supports a variety of devices and operating systems without requiring the use of apps, additional software, or plug-in dongles.

Value Props

Enhance network security across all your data and devices that are connected to the WPS

Provide consistent learning experiences for students both in-classroom and learning remotely

Save time and cost efficiencies with free firmware updates and product improvements

Intel Components

Intel® NUC

Internal Network

BYOD

Central Display Connected with Cynap Pure

Guest Network

BYOD
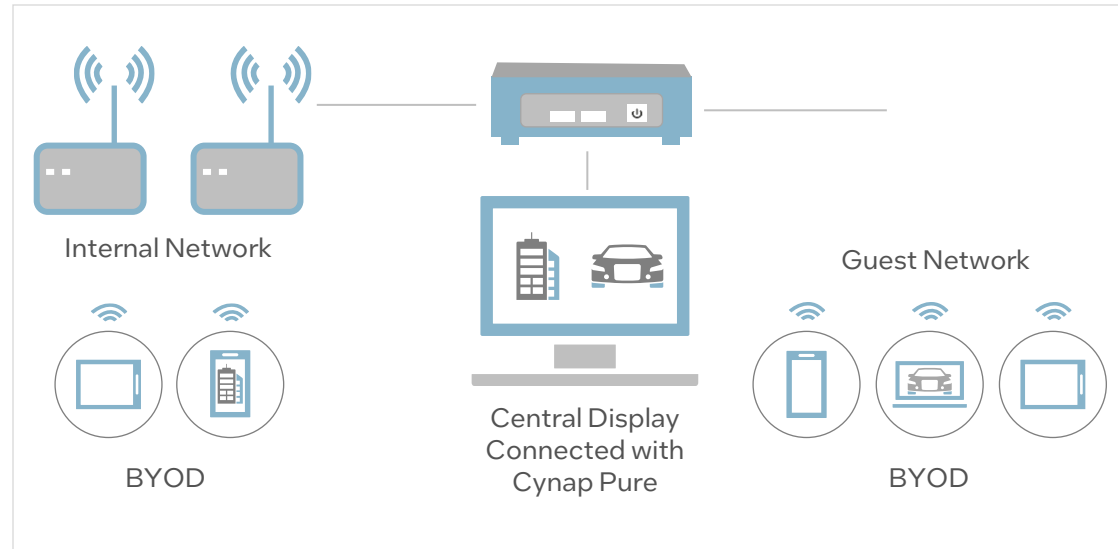
Target Vertical: Education
Secondary Vertical: Corporate

Target Use Case:
Interactive Media

Secondary Use Cases:
Wireless Presentation, Remote/Hybrid Meetings, In-person, Online, or Hybrid Classrooms

Geo Availability
Globally

Learn More
- Product page
- Company website

X-SIGHT
LICHN

Wuxi Xinje Vision Guided Intelligent Welding System

Solution Overview

A solution that provides a truly autonomous welding machine to help customers increase operating hours while improving quality. Machines can be operated without special training and use simple housing placement, machine vision, and 3-D guiding for precise seams.

Value Props

Improve speed, precision, and reliability with precise welding guidance systems

Reduce costs and manual operating hours by leveraging machines with 3-D vision

Stabilize and improve welding quality robot welding to decrease worker risk
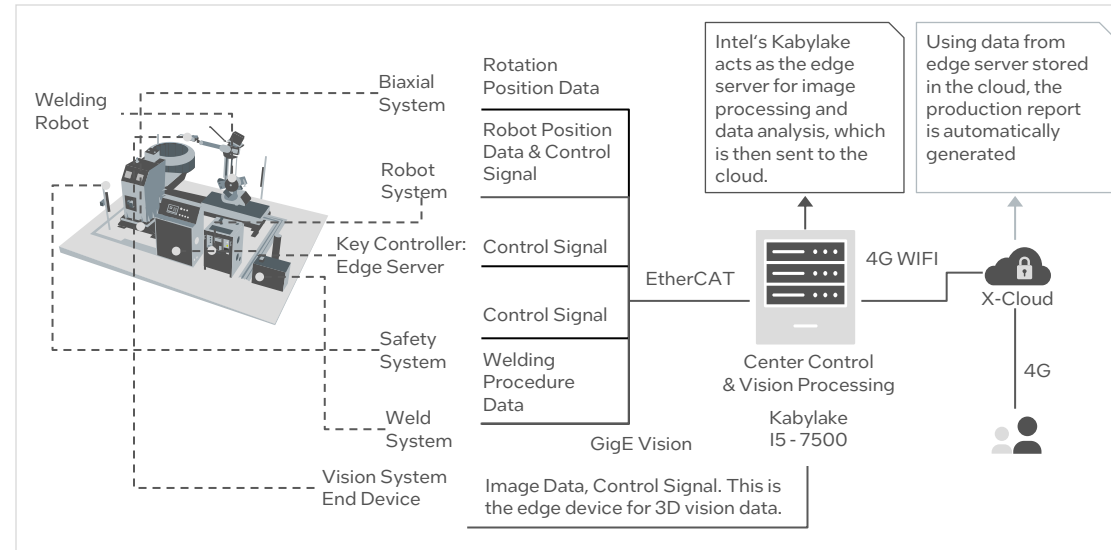
Target Vertical:
Manufacturing

Target Use Case: Control Optimization & Autonomy

Geo Availability

Available in PRC, NA, EMEA

Learn More
- Wuxi Xinje Website
- Product examples

Welding Robot

Biaxial System — Rotation Position Data

Robot System — Robot Position Data & Control Signal

Key Controller: Edge Server — Control Signal

Safety System — Control Signal

Weld System — Welding Procedure Data

Vision System End Device — Image Data, Control Signal. This is the edge device for 3D vision data.

EtherCAT

GigE Vision

Center Control & Vision Processing

Kabylake I5 - 7500

4G WIFI

4G

X-Cloud

Intel's Kabylake acts as the edge server for image processing and data analysis, which is then sent to the cloud.

Using data from edge server stored in the cloud, the production report is automatically generated

Intel Components
- Intel® Core™ i5 Processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Atom® Processors
- 10gbe Intel® ethernet network adapters

XESOL innovation

driv|o|x®

Solution Overview

The manufacturing industry experiences significant losses in profit and efficiency as a result of work-related accidents. To help mitigate this issue, Xesol has developed Drivox®, a complete ecosystem solution designed to increase safety, avoid risk, and accelerate efficiency for manufacturers. Driven by IoT technology, the solution accurately detects potential collisions between people, machines, and objects, and alerts the operator with a visual and auditory alarm as threats are recognized. Data related to safety metrics is collected from edge devices and sent to the cloud for further analysis where behavior that registers outside of safety compliance standards, such as overaccelerating or vehicle tampering, is documented.

Value Props

Help increase worker safety by recognizing and mitigating, through alerts, potential accidents in warehouse environments with IoT sensing

Optimize manufacturing logistics with an all-in-one ecosystem solution that bolsters productivity by reducing interruptions and incidences

Minimize direct costs associated with accidents, such as collision damages, production stop, and medical and legal bills

Intel Components

- Intel® Core™ Processors
- Intel® Xeon® Processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® CVAT
- Intel® Vtune™
- Intel® OpenCV
- Docker

EDGE DEVICES AND MODULES
Visualization screen

Drivox® ID
1 Frontal camera

Up to 4 Drivox® cameras

Drivox® Here

EDGE HARDWARE
Intel based CPU

Wifi Connection

Decentralized Database

Intel Integrated GPU

4G Connection

Ethernet Connection

CLOUD SERVER
DRIVOX® DASHBOARD
Data Visualization

User and Devices Management, Registration and Deployment

DATA MANAGEMENT
Data Blobs

Decentralized Database
API

CLOUD STORAGE
STORAGE MANAGEMENT
Storage Servers

Database

Physical Data Storage

Target Vertical:
Manufacturing

Secondary Verticals:
Agriculture, Retail, Transportation & Warehousing

Target Use Case:
Control Optimization & Autonomy

Geo Availability
Europe, Middle East, and Africa

Learn More
- Xesol Drivox Website

Xinje Electric X-SIGHT: Intelligent Industrial Controller

Solution Overview

The Xinje Electric X-SIGHT Intelligent Industrial Controller monitors individual PLCs, and streamlines their control through a centralized user interface and programming platform. Through this combination, PLCs can be controlled to perform a wide range of tasks, and actively analyze passthrough data to enhance performance. Xinje works with customers to develop cloud data software and systems for their Intelligent Industrial Controller Integrations. This ensures sound private cloud storage protocols, and a customized level of detail to their customer's unique process, privacy and other data management needs. After identifying and implementing the best integration. Data security can be further managed through a separate runtime environment to process sensitive data, such as computer vision data, for proper oversight.

Value Props

Increase operational speed and efficiency by utilizing a system that centralizes communications between IoT devices, industrial controllers, resources planning software, and other systems

Enhance production quality with a system designed to conduct real-time performance analysis, and enact machine learning driven self-improving and self-healing protocols

Help operators and managers focus on critical tasks by integrating a reliable, autonomous system that requires less monitoring, and offers users a smooth, easy-to-use unified interface

Intel Components

- Intel® Celeron®
- Intel® Core i3 – i9® processors
- Intel® Ethernet Controllers
- Intel® Xeon® processors
- Intel® Distribution of OpenVINO™ toolkit

X-SIGHT — Solution Toplogy

OpenVINO · OpenCV · oneAPI
Vision Device

ME S
ERP
PLM
PM S

(VisionServo) GigE Vision

Ethernet — Controller *According to IA* — EtherCAT

High Speed DIO

Special interrupt signal

intel partner Titanium IoT Solutions

Servo 1 — Motor
Servo N — Motor N
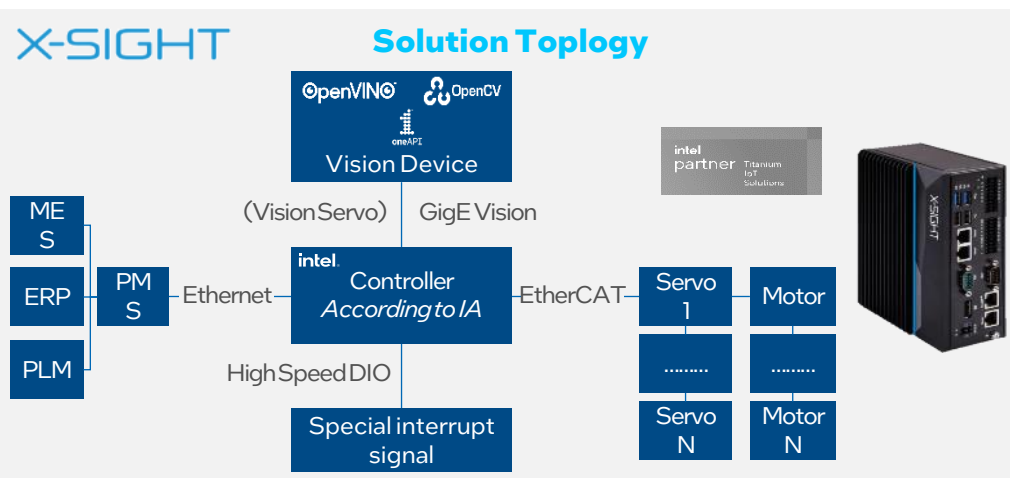
Target Vertical:
Manufacturing

Secondary Vertical:
Agriculture

Target Use Case:
Control Optimization & Autonomy

Geo Availability
Asia, Pacific, and Japan, Europe, Middle East, and Africa, People's Republic of China

Learn More
- Xinje Website
- Solution Demos
- Unboxing, Installation, Set-Up

Yoi System Co., Ltd. i-X (i-ECS: Intelligent-Edge Control System)

Solution Overview

The Yoi System i-X (i-ECS: Intelligent-Edge Control System) solution offers an edge computing management system that collects, analyzes, and visualizes real-time data generated from IoT sensors and process controllers in smart factories. Designed for manufacturing and industrial use cases, i-X (i-ECS: Intelligent-Edge Control System) offers around-the-clock automated fault detection during data processing, enabling users to optimize operations via remote controls. With this solution, customers can establish an efficient automation environment in their smart factory.

Value Props

Improve manufacturing productivity with a high-performance industrial edge solution that collects, analyzes, and visualizes data in real time

Enable remote management by reducing the need for on-site inspection with a one-stop smart solution that uses Yoi system's proprietary software and Intel vPro® tech

Reduce operational downtime with a solution that works in real time to enable the quick detection and correction of failures

Kit Components

- 10th Gen Intel® Core™ Processor Family
- 12th Gen Intel® Core™ Processor Family
- Intel® Xeon® Processors
- Intel vPro® Platform
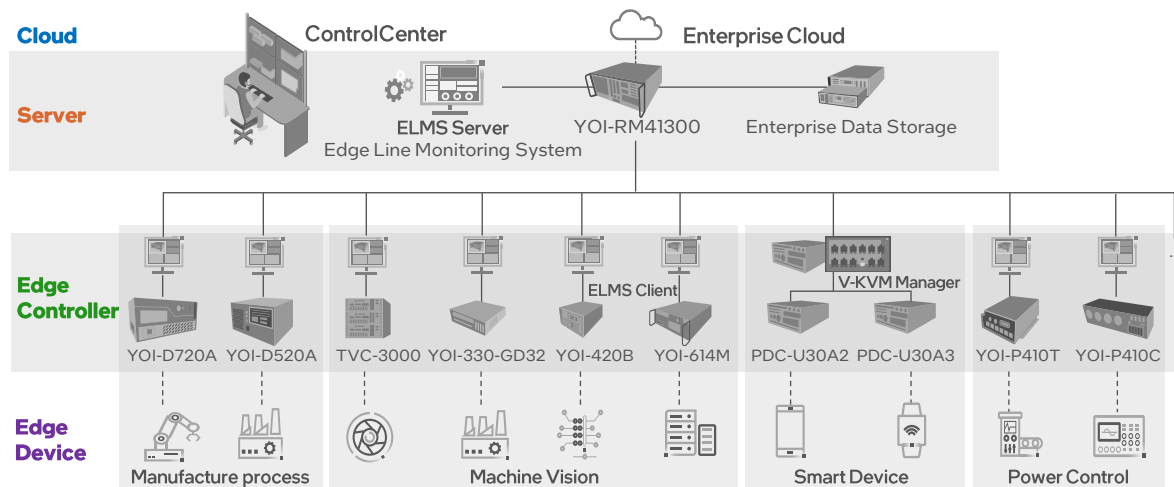
Cloud — ControlCenter — Enterprise Cloud

Server — ELMS Server / Edge Line Monitoring System — YOI-RM41300 — Enterprise Data Storage

Edge Controller — YOI-D720A, YOI-D520A, TVC-3000, YOI-330-GD32, YOI-420B, YOI-614M (ELMS Client), PDC-U30A2, PDC-U30A3 (V-KVM Manager), YOI-P410T, YOI-P410C

Edge Device — Manufacture process, Machine Vision, Smart Device, Power Control

Target Vertical:
Manufacturing

Target Use Case:
Machine Condition Monitoring

Secondary Use Cases:
Control Optimization & Autonomy, Environment Monitoring, Product Monitoring, Product Inspection, Situational Monitoring, Industrial Computer Condition/Remote Monitoring & Control

Geo Availability
Worldwide

Learn More
- Yoi System Website
- Solution Overview & Demo (Korean)

Zhejiang Jandar Technology Wise Medical Treatment

Solution Overview

Jandar's Wise Medical Treatment Solution provides various self-service devices for patients and visitors across the hospital for a one-stop central interactive service channel. Employees are also empowered with central management, data, and streamlined processes. The solution plays an important role in the decision-making process of hospital administrators and contributes to optimizing service quality.

Value Props

Improve decision making for the administrative staff with data and analysis on user behaviors, revenue, and more
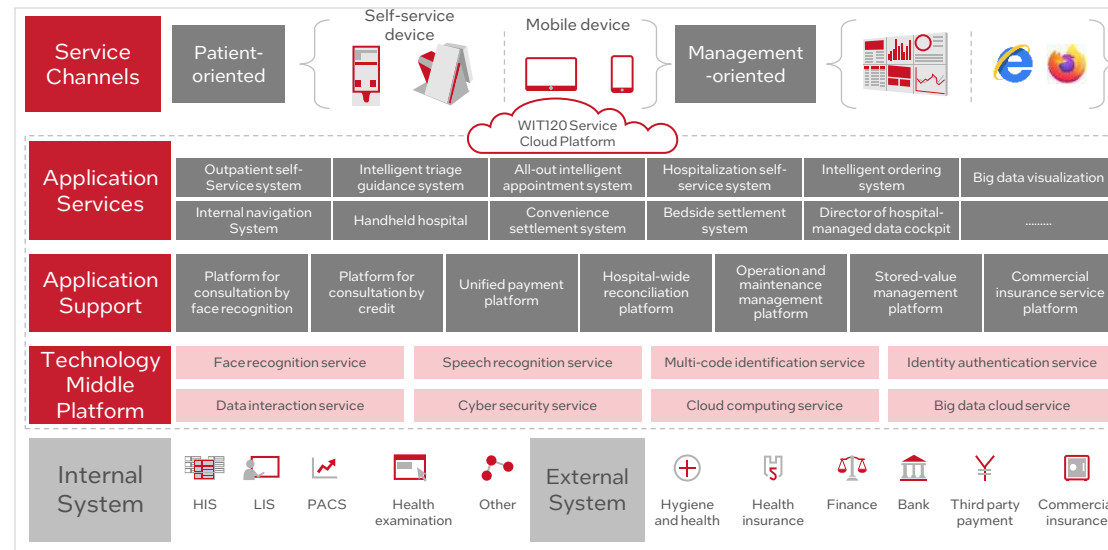
Reduce waiting times by empowering patients and visitors with self-service devices

Optimize operations with a central management system and data analysis on Jandar's cloud platform

Intel Components

Intel® Core™ i5 processors

Target Vertical: Health & Life Sciences

Secondary Verticals: Retail, Government, Hospitality, Transportation

Target Use Case: Interactive Media

Geo Availability
PRC

Learn More
- Jandar Website

Service Channels

Patient-oriented	Self-service device
	Mobile device
Management-oriented	

WIT120 Service Cloud Platform

Application Services

Outpatient self-Service system	Intelligent triage guidance system	All-out intelligent appointment system	Hospitalization self-service system	Intelligent ordering system	Big data visualization
Internal navigation System	Handheld hospital	Convenience settlement system	Bedside settlement system	Director of hospital-managed data cockpit	....

Application Support

Platform for consultation by face recognition	Platform for consultation by credit	Unified payment platform	Hospital-wide reconciliation platform	Operation and maintenance management platform	Stored-value management platform	Commercial insurance service platform

Technology Middle Platform

Face recognition service	Speech recognition service	Multi-code identification service	Identity authentication service
Data interaction service	Cyber security service	Cloud computing service	Big data cloud service

Internal System: HIS, LIS, PACS, Health examination, Other

External System: Hygiene and health, Health insurance, Finance, Bank, Third party payment, Commercial insurance

Radius Industrial Automation Technologies

Solution Overview

Industrial and utility organizations face challenges capitalizing on the potential of industry 4.0 technology while relying on legacy systems. Zotera's Radius Industrial Automation Technologies offers seamless transition from traditional preventative maintenance to predictive and prescriptive maintenance models, enabling seamless scalability while future-proofing organizations against industry advancements. Zotera Radius Gateways and Nodes deployed at the edge of the network collect and analyze data for real-time alerts available via the Radius Dashboard, SMS, or email.

Value Props
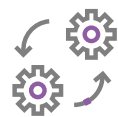
Optimize operational efficiency with a comprehensive edge computing platform and seamless wireless network expansion for streamlined processes
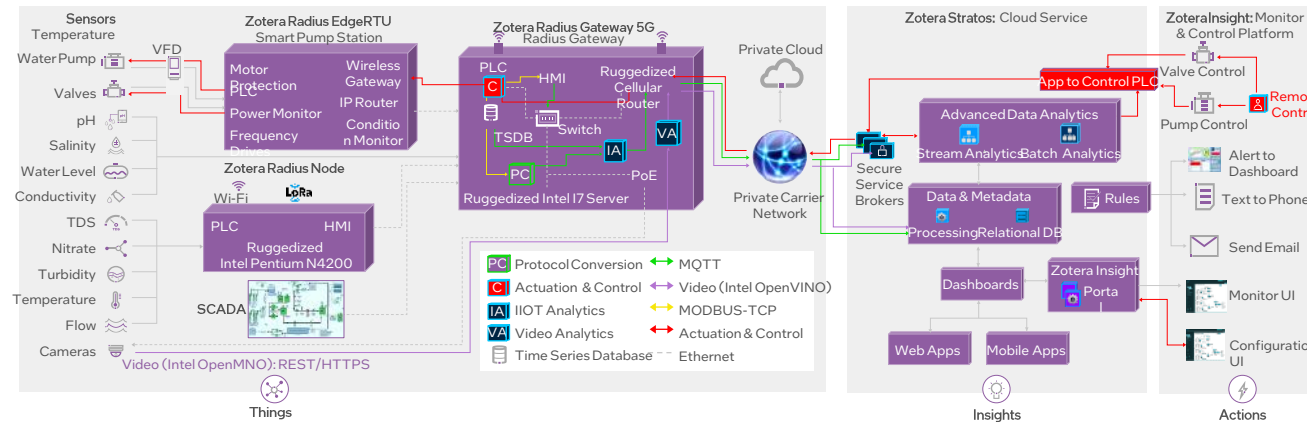
Reduce operational costs with predictive & prescriptive maintenance powered by AI-based analytics to eliminate unplanned downtime and reduce physical presence need

Enhance data-driven decision making with cloud-based analysis to empower insights into system anomalies

Reference Architecture

Intel Components

- Intel® Core™ i3, i5, & i7 Processors
- Intel® Celeron® Processors
- Intel® NUC

Target Vertical:

Government

Secondary Vertical:

Water and Wastewater

Target Use Case:

Asset & Operations Optimization

Secondary Use Case:

Machine Condition Monitoring

Geo Availability

Global

Sales Contact

Mo Kotaiche – m.kotaiche@zotera.com

Solution Webpage

Zotera | Radius Gateway

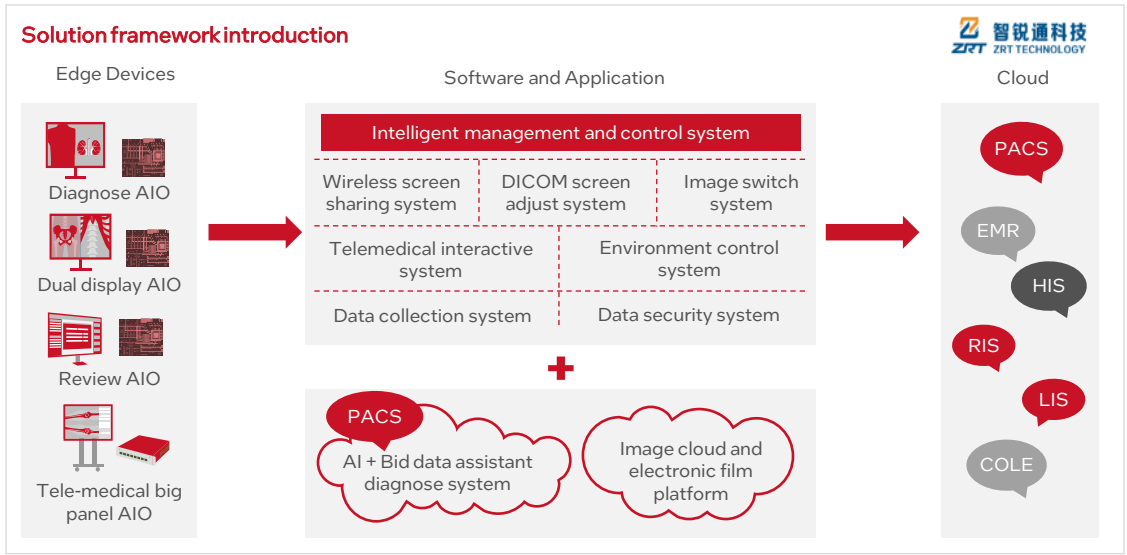# ZRT Intelligent Medical Image Review and Consultation

Solution Overview

The solution collects medical imaging and leverages AI to produce 3D models at the edge, performs intelligent data analysis and management, and provides cloud data storage and diagnostic review. It enables customers to overcome challenges with diagnostic reliability, workflow efficiency, and quality of care.

Value Props

- Increase diagnostic accuracy with AI medical imaging software that leverages IoT-enabled smart lighting

- Improve work efficiency with edge computing, supporting all-in-one terminals and displays, and AI-assistance for diagnosis processes and data management

- Help reduce liability through a solution that minimizes the number of missed diagnoses and misdiagnoses

Intel Components

- Intel® Core™ i5 Processors
- Intel® Core™ i7 Processors
- Intel® Distribution of OpenVINO™ toolkit
- Intel® Movidius™ VPU

Solution framework introduction

Edge Devices:
- Diagnose AIO
- Dual display AIO
- Review AIO
- Tele-medical big panel AIO

Software and Application:
Intelligent management and control system
- Wireless screen sharing system
- DICOM screen adjust system
- Image switch system
- Telemedical interactive system
- Environment control system
- Data collection system
- Data security system
- PACS: AI + Bid data assistant diagnose system
- Image cloud and electronic film platform

Cloud:
- PACS
- EMR
- HIS
- RIS
- LIS
- COLE

Target Vertical: Health & Life Sciences

Target Use Case: Product Inspection

Geo Availability
PRC

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