People & Technology

COMPANY PROFILE

2025

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Company Overview

Field-driven Innovation, Growing together for the Future

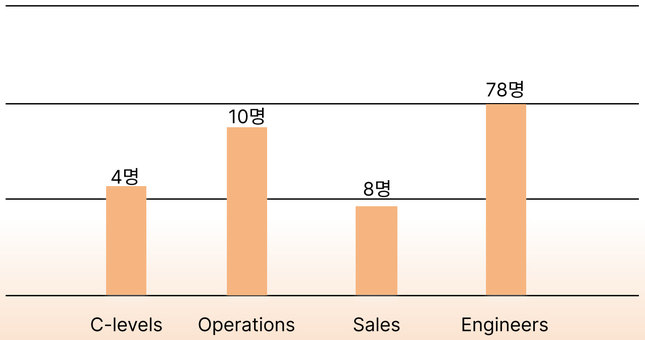
Leading a Sustainable Future with AI and IoT-based solutions

Core Technological capabilities leading Digital Transformation

- **Company Name:** People and Technology Inc.
- **CEO:** Seongpyo Hong (Antonio)
- **Established:** November 2013
- **Headquarters:** 2F, 27, Samseong-ro 95-gil, Gangnam-gu, Seoul
- **Contact:** TEL: +82-70-8650-3600
- **Number of Employees:** 100
- **Business Areas:** Location-based Digital Healthcare solutions, AI development, SaaS, System Integration, Maintenance services

Organization Chart

- CEO
  - COO
  - CSO
  - CFO
    - Finance
    - General affairs
    - HR
    - Business Support
  - IoT Team
  - Medical AIDX
    - Sales
    - Business
    - Research
  - Industry
  - AI Team
  - R&D
  - Mobile Team
  - Sejong div.
    - Team 1
    - Team 2
  - Global Service
    - AI Service

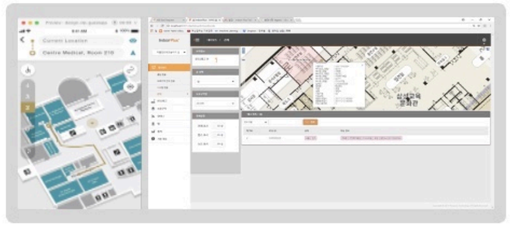


Key Milestones

Our journey begins with unsolved problems in the field and presents solutions for fundamental change through Innovative Technologies.

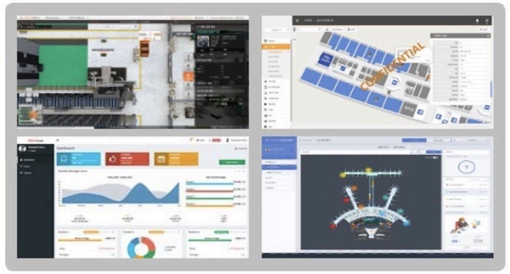
LBS/RTLS geolocalization
2013 ~ 2016

Indoor location estimation, Smart Factory



Big data-based IoT platform
2017 ~ 2019

Location + Multi-sensing and Operation Technology Development



Enterprise DX + AX solutions
2020 ~

ADX (AX+DX) solution specialist

Securing a biz foundation 〉〉〉 **Hospital-centered DX** 〉〉〉 **Ultra-light AI-based AX** 〉〉〉 **Industry expansion**

2014	Developed Korea's first BLE indoor geolocation technology	2020	Selection and expansion of leading smart hospital models	2021	Establishment of AI LAB (2 PhDs in Mathematics +@)	2021~	Entering the smart defense market and forecasting cumulative sales of 10 billion
2015	BonAngels Seed Investment, TIPS Selection	2021	Series-A investment (3 billion)	2022	Development of on-device Vision AI technology	2022~	The Serious Disaster Punishment Act is spreading to the smart industrial safety market
2016	Hanwha Aerospace Smart Process Automation Construction	2022	Full-scale expansion and advanced development of smart hospitals	2022	Series-B investment (6 billion)	2024~	On-Device AI CCTV Sales Begin in Full Swing
2017	Attracting investment from the Technology Guarantee Fund (1 billion won)	2023	Expansion of the public medical center pilot model (10 locations)	2023	NVIDIA Partner + Hanwha Vision Starts Supply	2024~	Full-scale launch of subscription-based real-time patient monitoring service

Major Achievements

Clients
(As of 2024)

100+

Large corporations, public institutions, etc.

National R&D Registered outcomes
(As of 2024)

15

Government-led projects, patents...

Domestic hospital DX platform
(As of 2024)

1st

50 Hospitals served domestically

Sales
(As of 2024)

5M USD

-

Certifications & Awards

Certifications

Certificate of Direct Production Confirmation

Certificate of Management Innovation (Main-Biz)

Certificate of Company-Affiliated Research Institute Accreditation

Venture Business Certification

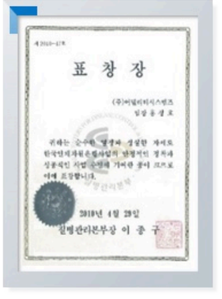
Certificate of Software Business Registration

Certificate of Excellent Workplace Selection (Good Job Company)

Certificate of Technological Innovation Business (INNO-BIZ)

ISO 9001 Quality Management Certification

Awards and Certificates of Appreciation



Certificate of Commendation – Korea Disease Control and Prevention Agency (KDCA)

Certificate of Commendation – Ministry of the Interior and Safety

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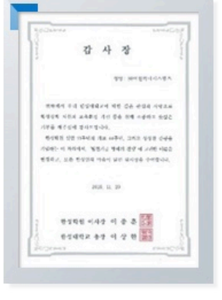


Certificate of Appreciation – Hansung University

Certificate of Commendation – Defense Integrated Data Center (Korea Ministry of National Defense)

Business Areas

SmartCare

Smart Workers Safety

Smart Military

Smart City

AI Transformation based on Digital Transformation

Four Core Components of People & Technology Solutions

Indoor Positioning and Multi-Sensing Connected IoT

Edge device Optimized lightweight AI modeling technology

IoMT Big Data Stable Operation Platform

DX Transition Technology Integrated Knowledge and Know-how

Business Areas

IndoorPlus+

IndoorPlus+ is a cutting-edge solution that integrates RTLS, LBS, and Smartsensing technologies to maximize spatial efficiency with accurate location information and intelligent data analysis.

SmartCare

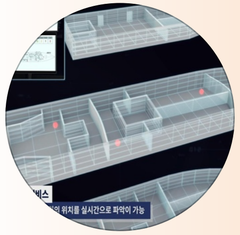
Real-time patient monitoring

Smart Hospital

Smart Industry

SmartSafe

Smart Military



SmartMilitary

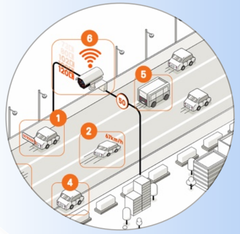
Smart City

VisionPlus+

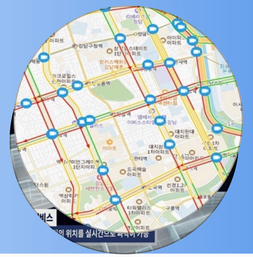
VisionPlus+ is a cutting-edge AI Vision solution that integrates on-device AI and AI image/data analysis technology. It supports precise and rapid decision-making in various fields through real-time image analysis and insight derivation with advanced AI.

AI Healthcare

Prima



Road ai



Portal

IndoorPlus+ One-stop platform overview

Our smart platform based on BLE RTLS and IoT/IoMT precisely analyzes indoor location and biometric data, and perfectly realizes customized automation and digital transformation in various fields such as industry, medical, defense, and smart cities.

Analyze various indoor space data more deeply than anyone else and connect it with solutions for real-time situation response and efficiency.

Field data collection and linking

Location and bio-metric data collection technology through various sensors

IoMT Digital Platform

IndoorPlus+ IoMT platform

Domain-specific verified application services

- Smart Isolation Ward Monitoring
- Smart Infection Control
- Smart Biometric Monitoring
- Patient Location Tracking
- Hospital Asset Management
- Smart Fall Management
- Smart Bedsore Management
- Smart Crew Location Tracking
- Smart Fire Detection Alert
- Smart Trap Operation Integrated Management
- Real-time Indoor Navigation
- Smart On-duty Patrol Management
- Abnormal symptoms Real-time Notification
- Industrial Safety Integrated Monitoring
- Residue Safety Management
- Smart Location Tracking
- Smart Access Control
- Smart Environment Monitoring
- SOS Request Emergency response

Creating AI-based data insights

AI-based object recognition
Abnormal situation prediction
User behavior analysis technology

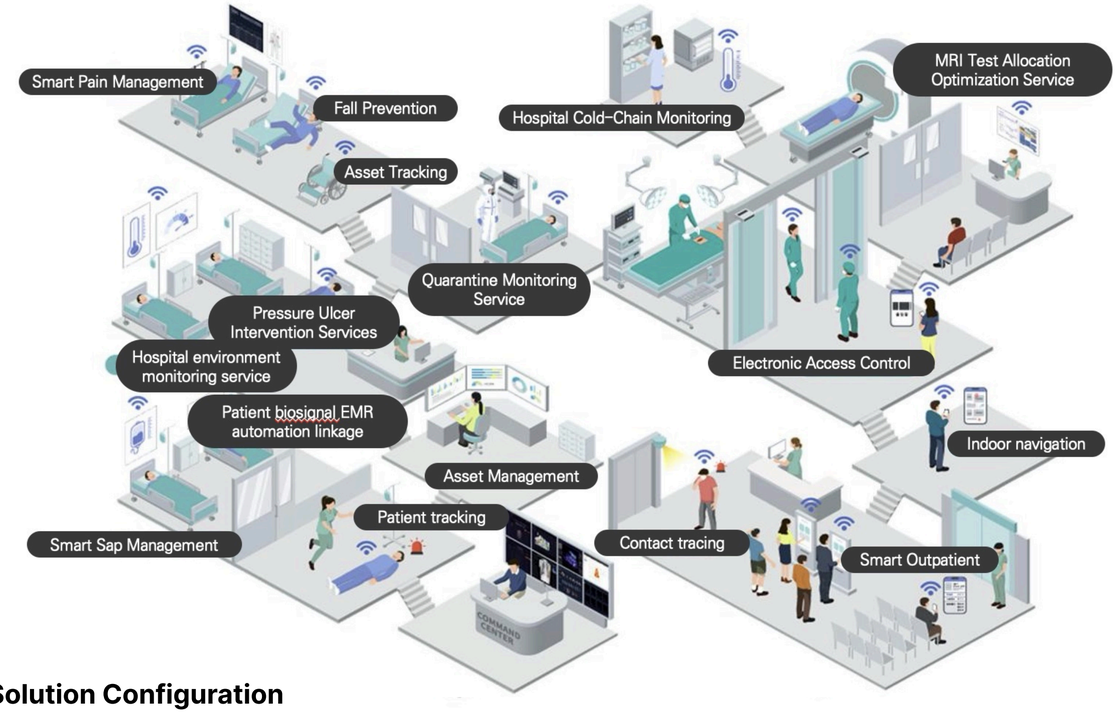
High-speed contact tracing positioning analysis based on machine learning

EWS (Early warning score) prediction technology based on machine learning

Business Areas
IndoorPlus+

Smart Hospital

oMT-based bio-signal data linkage, collection, storage, and analysis technology, combined with understanding and know-how of the entire hospital operation process
Development of digitalization and automation technology for hospital treatment, personnel, and resources, and a smart ADX solution verified through application in more than 50 hospitals



Key Features

Monitoring the location of assets with BLE tags
Locate device location with mobile app - Prevent device theft - Identify device shortages in wards, etc.

Solution Configuration

Patient experience

1. Wayfinding Service
2. Hospital room environmental Monitoring

Patient Safety Management

1. Smart Fall Management
2. Smart Bedsore Management
3. Smart Pain Management
4. Smart Patrol of Isolation wards
5. Smart IV pump monitoring
6. Blood storage Cold Chain Monitoring
7. Smart in-hospital infection contact management
8. Automatic entry and exit records for special isolation wards
9. Non-face-to-face monitoring of isolation wards
10. Mobile guardian pass service

Streamlining hospital work processes

1. Asset Tracking
2. Confirm location of patients and guardians
3. Asset Utilization and Integrated Management
4. Nursing care integrated ward monitoring
5. Vital Measurement Automation
6. AI-based video equipment reservation system

Integrated patient monitoring

1. IoMT medical device linkage
2. Monitoring of abnormal behavior of patients in psychiatric ward

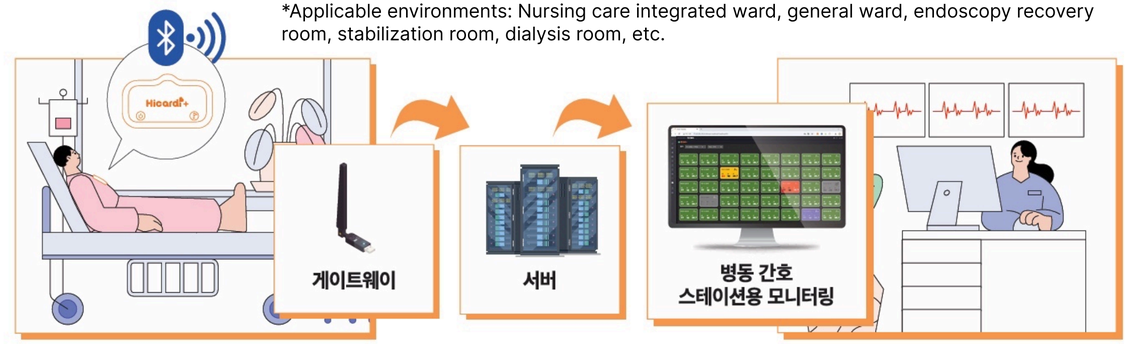
Value Proposition

- Automating nursing tasks Number 1 in nurse satisfaction
- Patient Safety Blind Spots Provide Monitoring Tools
- Data-driven hospital work efficiency promotion
- Domestic Top 10 EMR Vendor System Integration

Real-time patient monitoring

An integrated system that monitors the patient's condition in real time to reduce the workload of medical staff and respond quickly to patient emergencies.
Detects and analyzes the patient's major vital signs such as electrocardiogram, respiration rate, and body temperature in real time and provides immediate notifications when abnormalities occur.

*Applicable environments: Nursing care integrated ward, general ward, endoscopy recovery room, stabilization room, dialysis room, etc.



Wearable Devices
Hicardi: Patch-type ECG Device [ECG/Heart Rate/Respiratory Rate/Body Temperature Measurement Capable, etc.)

Gateway
Transmits collected data to a central server in real time

IndoorPlus+ Smart Care Platform
Data Integration Management and Automatic Linkage with HIS/EMR Systems

Monitoring device
Real-time monitoring of patient status

Solution Configuration


Dashboard


Monitoring by ward


Emergency alert window

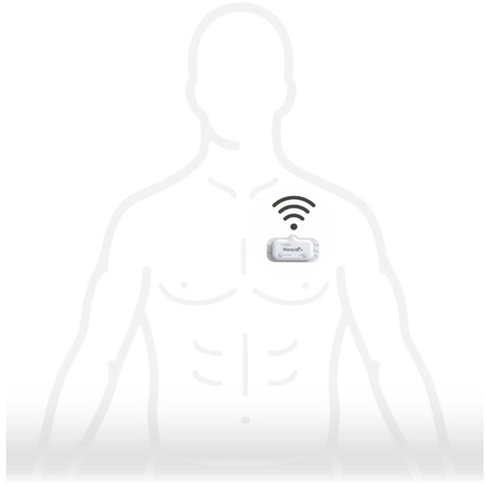

Emergency situation history inquiry


Patient Details


Central monitoring for professionals

Key Features

Hicardi: Patch-type electrocardiogram device, electrocardiogram bedside monitoring device, the first product of a kind commercialized in Korea



(* Applicable wearable device: Hi-Card Plus)

division	available time	Waterproof?	heart rate	ECG (electrocardiogram)	respiratory rate	skin temperature
detail	~72 hours	IP67	○	○	○	○

Value Proposition

24-hour real-time monitoring Enhancing patient safety

Medical staff Improving work efficiency

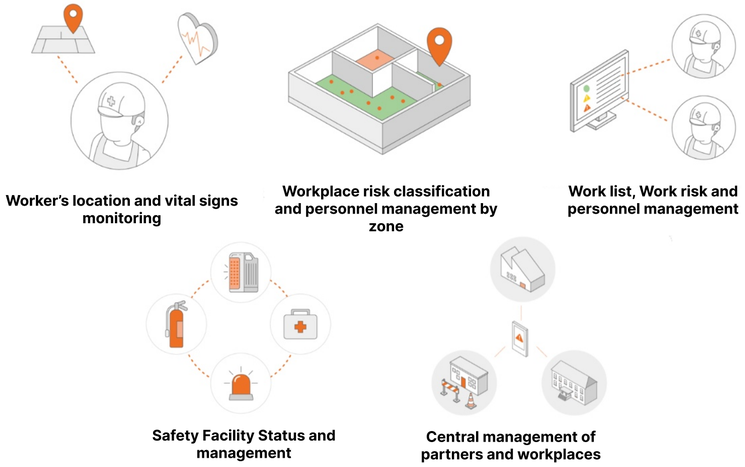
Building a Hospital Revenue Model through the Number of Acts

Improving patient and guardian satisfaction, strengthening hospital competitiveness

Smart Industry

It is a specialized worker safety management solution for industrial risk workplaces such as factories and construction sites, providing integrated safety management such as worker location, biometric data, and personnel status by area/factory. In particular, it boasts highly accurate scalability while drastically reducing hardware costs and installation time with an innovative smartphone-based reception method and a non-porous beacon.

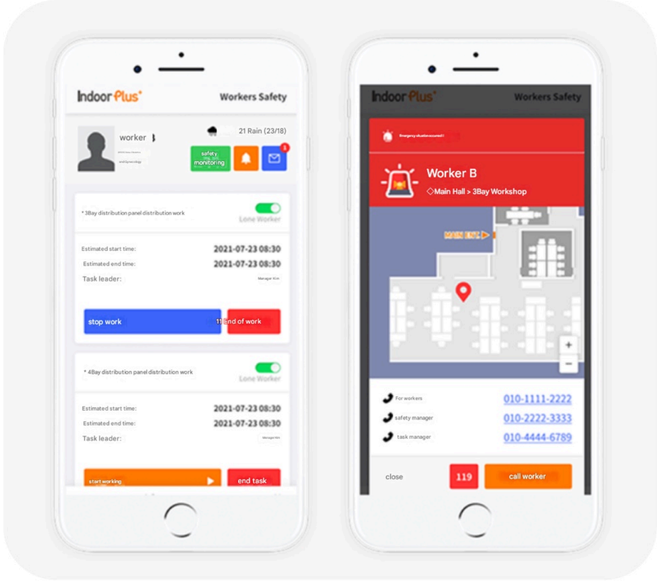
Solution Configuration



Key Features

Innovative smartphone-based system dramatically reduces hardware costs and deployment time

- Increase accuracy and easily expand with a non-perforated, attachable beacon without the need for separate large-scale hardware investment or complex wiring
- Real-time biometric data verified in the medical field
  Continuously detects key data such as the worker's heart rate and body temperature with monitoring technology, and proactively detects and takes action on health abnormalities even in emergency situations where a worker alone cannot send an SOS signal
  Building a strong safety net



Value Proposition

- Breakthrough cost savings and ease of deployment
- Seamless work site safety management
- Preemptive safety net based on biometric data
- Multiple workstations can be managed simultaneously

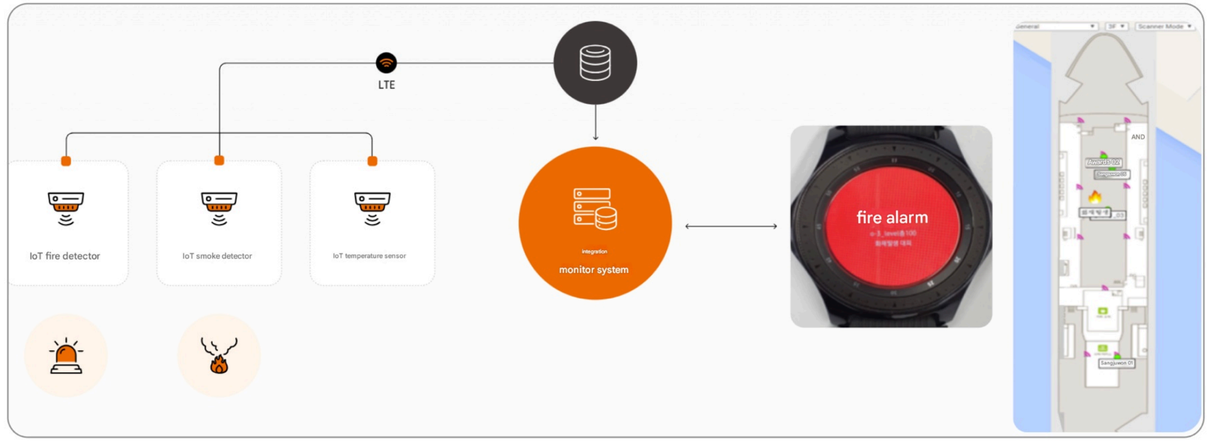
Smart Military

The optimal smart protection system for the safety and efficient mission performance of combat ship crews. It integrates real-time fire monitoring, crew location control, and emergency response to maximize combat power maintenance and ship operation stability.

[IoT system supplied to Navy Ulsan-class FFX Batch-III 5th and 6th ships]

Key Features

Establish a seamless real-time surveillance system by deploying fire, smoke, and temperature sensors in key areas of the ship.
Send an alarm immediately upon detection of abnormal signs, and link with RTLS (Real-Time Location-Based Service) to
identify the location of the fire outbreak area and nearby crew members in real time, and support rapid and precise response.



Solution Configuration

Establishing a real-time monitoring system

Fire detection
Detection of temperature and humidity changes
Display of fire situation
Alarm to designated personnel
Transmission of fire video (PTT)

Crew Position Control

Location history management
Combat deployment status
Personnel management (duty, entry/exit, etc.)

On-duty patrol and emergency SOS

On-duty patrol using smart terminals and NFC tags
SOS function in case of emergency
Printing of patrol log

Value Proposition

- 24-hour real-time monitoring Enhancing patient safety
- Medical staff Improving work efficiency
- Time and personnel management by workplace
- Multiple workstations can be managed simultaneously

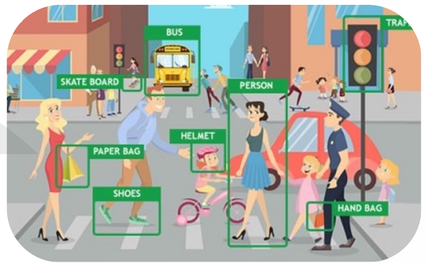
VisionPlus+ Overview

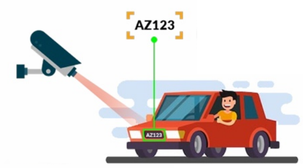
Provides on-device AI technology that runs directly on the device without cloud transmission. It is an application that can be run directly on CCTV, and performs various functions such as vehicle number and object recognition, and always guarantees the same high performance regardless of customer infrastructure without expensive GPU servers.

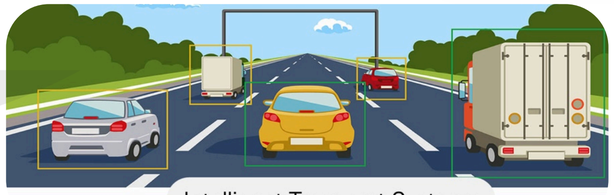
AI VisionPlus+

On-device intelligence

Advanced AI directly processes data from the camera and only saves the results on the server







Intelligent Transport Systems

Special Features

01 Privacy Policy

02 Ensuring reliability

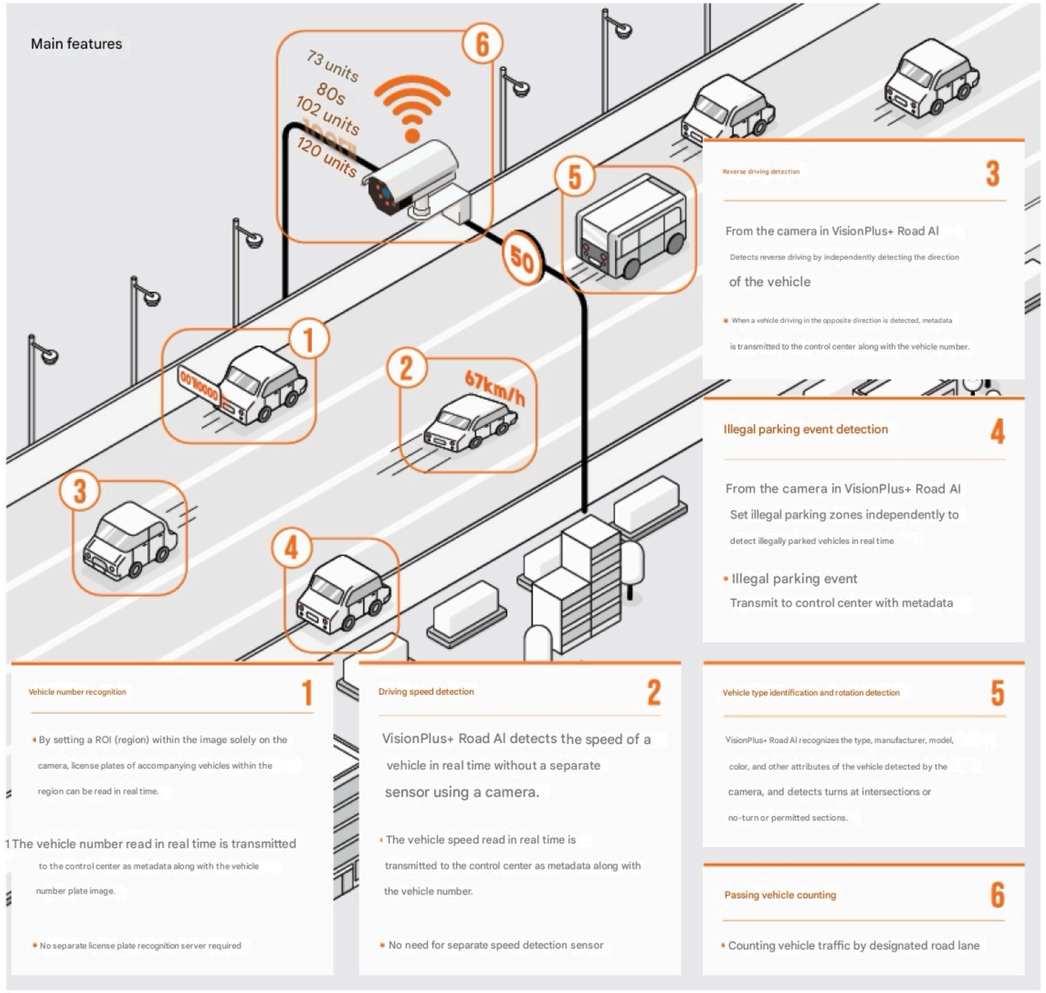
03 Fast response

04 Ensuring efficiency of IT infrastructure

Road AI

Simultaneous analysis of vehicle information and static/dynamic status, accurate recognition of the license plate number of all vehicles on the road, and enhanced safety through seamless crime prevention surveillance

주요 기능



Search for 'People & Technology' in the search bar of the National Marketplace shopping mall.

model name	Main functions	Main features	Derivative model (National Marketplace Comprehensive Shopping Mall identification Number)
PHN-A9001 (Housing Type AI CCTV)	On-device AI object detection (vehicle, type, license plate number) On-device AI event detection (traffic volume, driving direction, reverse driving, driving speed) On-device AI APP replaceable	1/1.8" 8MP CMOS Image Sensor 4K high resolution 30fps WDR 120dB high performance backlight compensation Low light 0.03Lux/F1.2(Color) Day & Night(ICR) Equipped with long-range IR illumination (light sensor controlled) IR off prevention circuit by headlight LAN (POE support), alarm input/output support Waterproof and dustproof grade 66, aluminum protective case Max60w PoE+ switching hub	VPAC-A9001-01 (25065899) VPAC-A9001-02 (25269880) VPAC-A9001-03 (25269879)
PHN-A9081R (Bullet Type AI CCTV)	On-device AI object detection (people, faces, vehicle objects detection) On-device AI event detection (color, car type, gender, bag, etc.) Provides intelligent video analysis functions (entry, intrusion, loitering, counting, etc.)	1/1.8" 8MP CMOS Image Sensor 4K high resolution 30fps IR visibility distance 30M, WDR 120dB compensation Angle of view: 101.4° (wide angle) ~ 45.5° (telephoto) LAN (POE support), alarm input/output support Waterproof and dustproof grade 66, aluminum protective case	VPAC-A9081R-01 (25080599) VPAC-A9081R-02 (25279447)

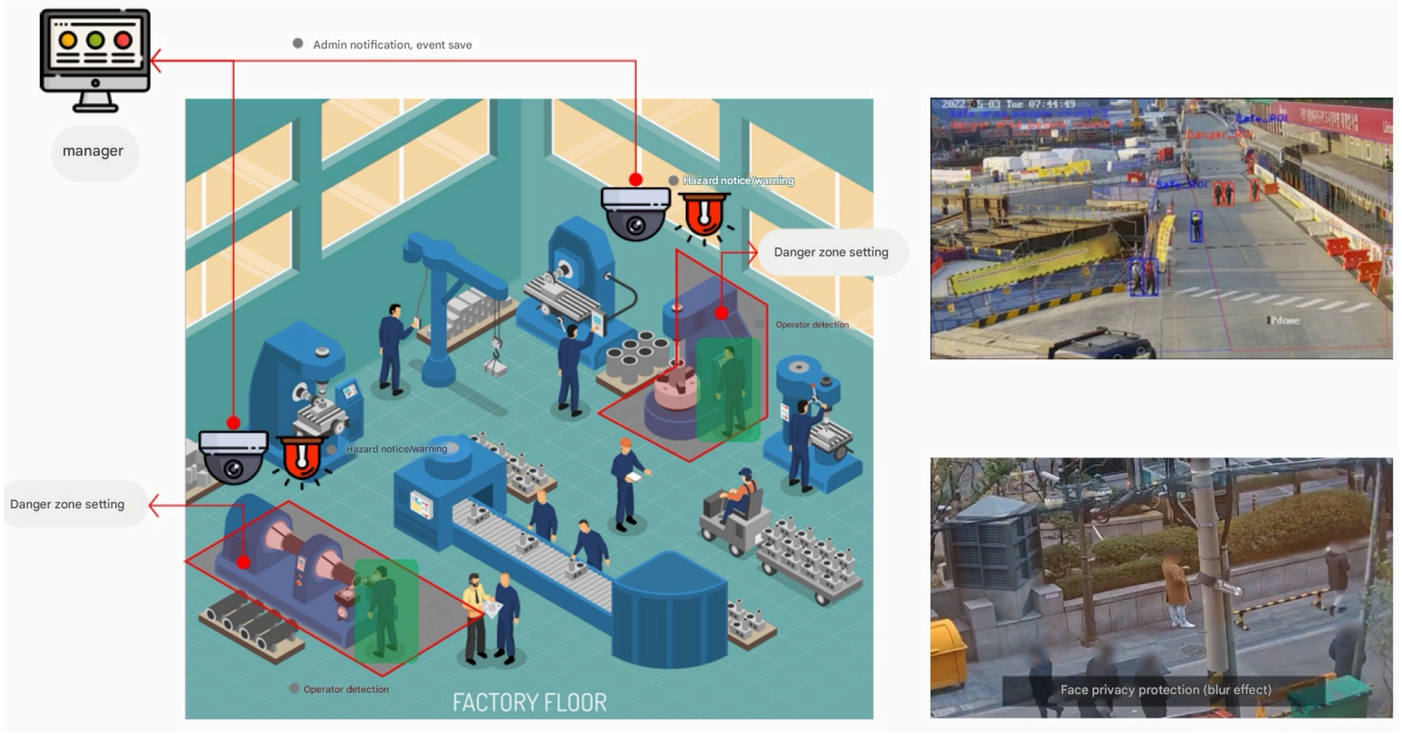
Main features

- Reduce false alarms and improve control and operational efficiency with deep learning AI-based object detection
- Low dependence on IT infrastructure such as servers, networks, and AI servers for video storage
- Convenient smart search based on attribute values
- Provides high-performance analysis functions with 4K resolution video analysis
- Provides the best shot for the detected object

PriMa

In environments where privacy protection is essential, AI CCTV equipped with PriMa can monitor and mask the face or entire body of a person in the video in real time.
In particular, it perfectly protects the personal information of a person who is not moving with AI deep learning-based technology, and provides original and masked two-channel video at the same time to support flexible and efficient operation.

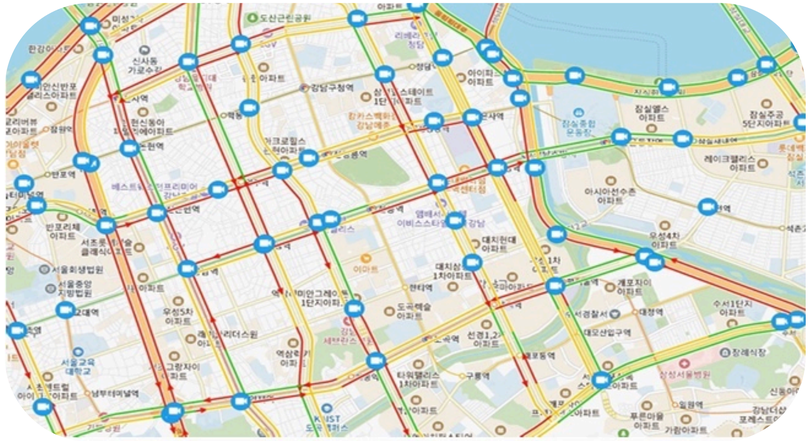
Utilizing industrial site safety management solutions



In environments where privacy is important, masking people in video in real time

Portal

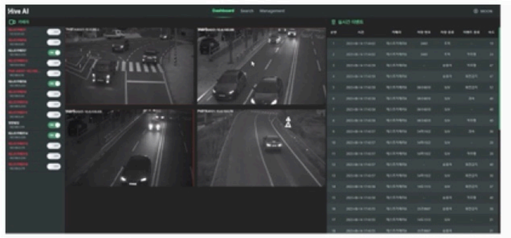
It is a web-based solution that is linked to multiple AI CCTVs, providing convenient administrator accessibility, and
It performs powerful functions such as real-time traffic volume, event inquiry/search, video viewer, and camera management through event integration management.



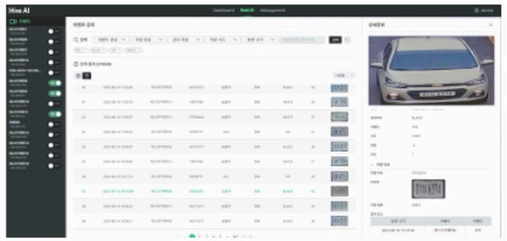
Key Features

Installed in various places on roads under the jurisdiction of local governments, it measures traffic volume with a single AI CCTV,
and manages and monitors roads under its jurisdiction in various ways, such as recognizing vehicle license plates for crime prevention.

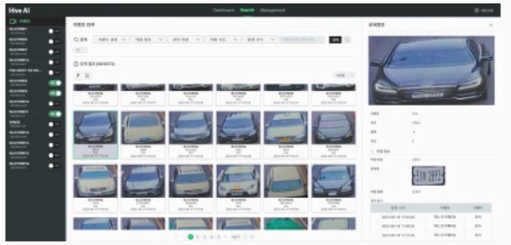
- Old vehicle notification & search
- Traffic Analysis
- Tracking a specific vehicle's movement path
- Reverse driving surveillance



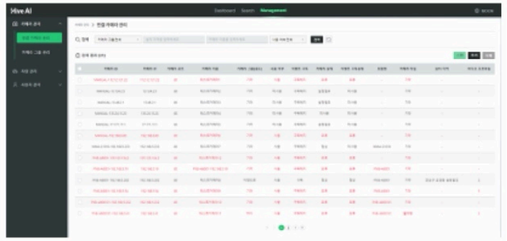
Real-time event integrated monitoring



Integrated search for specific vehicles



Fast integrated search based on attribute values



Integrated camera management

Solution Configuration

Real-time traffic status

#Monitoring traffic volume status
#Driving event notifications (speed, reverse driving, parking, etc.)
#Specific vehicle event notification (wanted vehicles, old vehicles, etc.)

Event inquiry, search

#Query and search for detected events
#Search by time zone and camera location
#Search by vehicle characteristics
#Search by driving event
#Check driving history of a specific vehicle

Real-time video play

#Real-time video play
#Display events in real-time video (OSD)
#Event video VOD play

Camera Management

#Camera registration management
#Camera license inquiry and registration
#AI APP batch settings management
#AI APP update management

Case Studies

YONGIN SEVERANCE HOSPITAL

As IoT technology is proven to empower the hospitals to be more productive and safer for both the patients and staff, many new hospitals consider including IoT solutions as a part of their blueprint from the very beginning phase of architectural planning. The purpose of adopting IoT in Yongin Severance Hospital is to improve productivity and user experience who use the service of the hospital and to minimize human error.

Applications deployed:

- Patient and Staff Location Monitoring
- Asset Tracking
- Medical Refrigerator Temperature Monitoring
- Outpatient Location Monitoring
- Patient Tags with SOS Button
- Mobile App for Nurses: Patient, Asset Location Search
- Alarm for Any Sign of Abnormality

Why was PEOPLE AND TECHNOLOGY selected?

From the very beginning of the building plan, IndoorPlus+ by PEOPLE AND TECHNOLOGY was considered as the leading RTLS platform. Thanks to the company's partnership with various network AP makers, the hospital chose one of the IndoorPlus+ Enabled network AP to deploy RTLS service within the hospital. PEOPLE AND TECHNOLOGY also have previous experience in providing IoT solutions to many hospitals in Korea, and the accumulated knowledge base in this particular vertical was another key to success in winning the deal.

아주대학교병원
Ajou University Hospital

Application Case of Pressure Ulcer Management Services in a Smart Hospital through Digital Transformation of Pressure Ulcer Prevention and Intervention Activities, Addressing the Three Major Patient Safety Issues in Healthcare Settings

Ajou University Hospital has applied digitalization to its pressure ulcer management clinical protocol to reduce the incidence of pressure ulcers among inpatients including:

- assessment of pressure ulcer risk
- preventive interventions based on risk levels
- management of patients with existing pressure ulcers.

Prevention and Intervention Activity Assignment and Alerts:

The system detects changes in patient status, such as transfers (ward movement), post-surgery, or changes in pressure ulcer risk assessment results. It automatically assigns prevention and intervention activities based on the patient's condition and schedules treatment for patients with pressure ulcers, thereby preventing omissions of intervention activities.

Reduction in Nursing Workload through EMR Integration:

When implementing intervention activities in clinical settings, the system allows for immediate identification, action, and recording of activities via a smartphone. It automatically integrates these activities with electronic medical records (EMR), reducing redundant tasks and easing the nursing workload.

AI-Based Image Analysis for Pressure Ulcer Detection and Stage Identification:

By sending images of affected areas discovered during regular skin assessments of at-risk patients, the system uses automated AI-based identification to standardize pressure ulcer stage identification, thereby reducing variations in preventive interventions and improving patient safety by lowering the incidence of pressure ulcers.

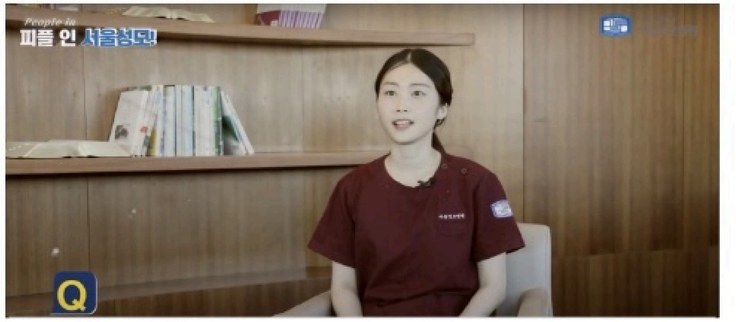
국민건강보험 National Health Insurance Service 일산병원 Ilsan Hospital

Application Case of Pressure Ulcer Management Services in a Smart Hospital through Digital Transformation of Pressure Ulcer Prevention and Intervention Activities, Addressing the Three Major Patient Safety Issues in Healthcare Settings.

PnT deployed IoT-based technology and optimization algorithms to automate ward operations at Ilsan Hospital, enhancing the efficiency of medical resource utilization and streamlining processes. By digitalizing asset tracking and automating repetitive tasks like vital signs measurement, we reduced manual errors and workload, leading to faster information sharing and improved patient safety. The solution also established a proactive remote monitoring system for high-risk patients, positioning Ilsan Hospital as a leading example of smart hospital implementation.

"I think the solutions we built (with People and Technology) were very helpful in reducing process lead time by developing automatic data collection without manual recording."
– SeoyoungLee, nurse at Ilsan Hospital, People in Seoul St. Mary's Hospital

"Each shift has the task of checking the quantity of medical equipment used in the ward. By looking at the monitor, the quantity and location of medical equipment can be seen at a glance, which has shortened the work time significantly."
– nurse at Ilsan Hospital, People in Seoul St. Mary's Hospital



▶ WATCH THE VIDEO

Note: This video was produced by Catholic University Seoul St. Mary's Hospital/Yonsei University Medical Center/National Health Insurance Service Ilsan Hospital.

THANK YOU.

People & Technology

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