



Company introduction

Sandeul Information & Communication

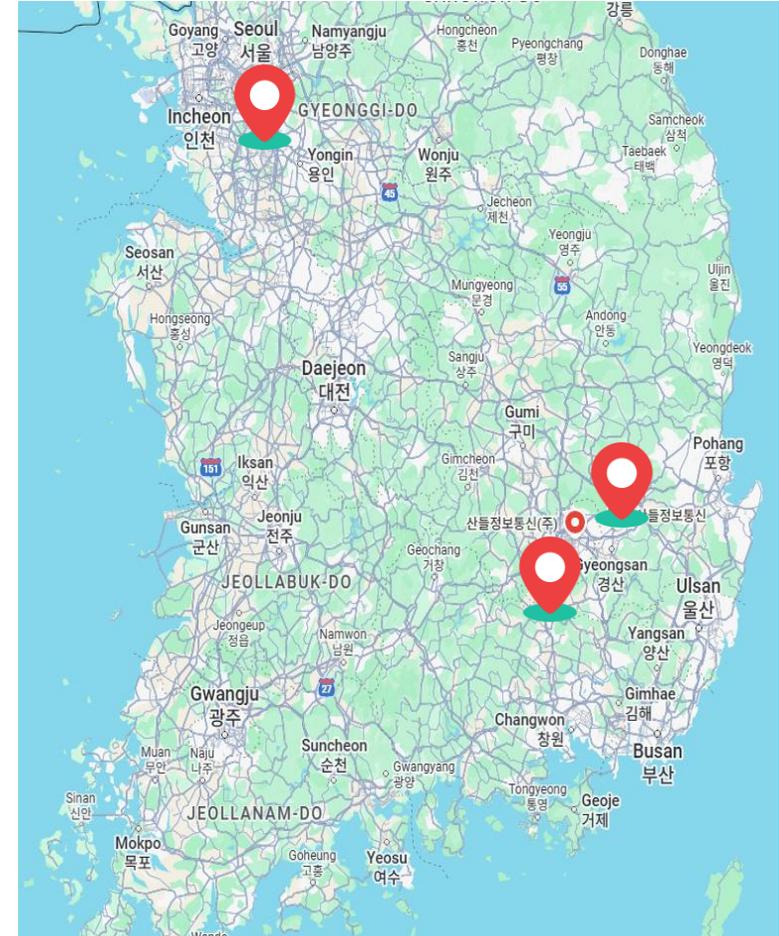
Sandeul Information & Communication



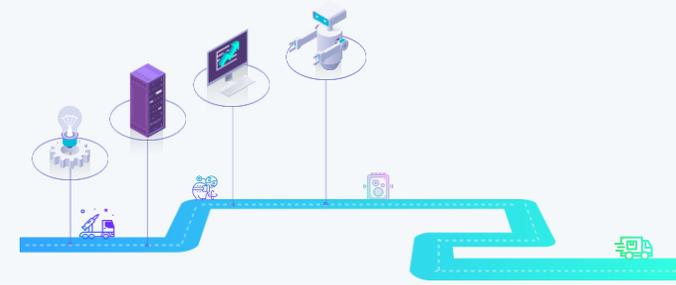
"A company that prioritizes customer satisfaction as its management goal."

We are a company that is always there for our customers, maintaining a continuous partnership and providing successful IT infrastructure construction through solution development and investment in research projects to meet their needs.

Company Name	Sandol Information & Communication Co., Ltd.	CEO	Hyun-Joo Kim
Business Areas	Software Consulting, Development and Supply / Information & Communication Construction / Security Solutions		
Address	<p>Head Office: 2F, 31, Gyeong-ro 39-gil, Gyeongsan-si, Gyeongsangbuk-do, Republic of Korea</p> <p>Corporate Affiliated Research Institute: 11, Alpha City 1-ro 42-gil, Suseong-gu, Daegu, Republic of Korea</p> <p>Seoul Branch Office: Room 816, Daisy Angples, 424, Yangjae-daero, Gangseo-gu, Seoul, Republic of Korea</p>		
Telephone	TEL. +82-53-326-1640		
Date of Establishment	February 28, 2000		
Licenses / Certifications / Registrations	Registered Information & Communication Construction Business, Technology-Innovative Small and Medium Enterprise (INNO-BIZ), Venture-Certified Company (Innovative Growth Type), etc.		
Relevant Business	February 2000 – Present (26 years)		



Company History



Year	Project Name	Description
2025	<ul style="list-style-type: none"> AI-powered Smart City Platform Enhancement Project 	Enhanced integrated monitoring and operational intelligence for advanced urban management.
2024	<ul style="list-style-type: none"> AI & IoT-based Smart Infrastructure and Disaster Monitoring Project 	Deployed real-time monitoring and early warning systems to improve public safety and urban resilience.
2023	<ul style="list-style-type: none"> Integrated Smart Disaster Prevention Platform Project 	Implemented a unified disaster response platform with AI-based analytics and digital public services.
2022	<ul style="list-style-type: none"> Metaverse-based Smart Flood Control System (Gyeongsan City) 	Developed a virtual flood monitoring and simulation environment for proactive disaster management.
	<ul style="list-style-type: none"> AI-based Urban Traffic Analysis Platform Project 	Established a data-driven traffic analysis platform supporting smart mobility planning.
2021	<ul style="list-style-type: none"> Smart City Integrated Operations & CCTV Control Center Project 	Built a centralized command and control system for citywide surveillance and operations.
2020	<ul style="list-style-type: none"> IoT-based Smart Flood Monitoring Technology Development (Gyeongsan City) 	Developed sensor-based flood detection technology enabling real-time monitoring and rapid response.
2019	<ul style="list-style-type: none"> City-wide Metering and Utility Management System (Yeongcheon City) 	Implemented an integrated metering platform to enhance efficiency in urban utility management.
2016	<ul style="list-style-type: none"> Smart Integrated Safety and Security Solution Expansion 	Expanded solution portfolio for public safety and critical infrastructure protection.
2008	<ul style="list-style-type: none"> Corporate R&D Center Establishment (INNO-BIZ Certified) 	Established an in-house R&D center to strengthen innovation and technology competitiveness.
2000	<ul style="list-style-type: none"> Company Establishment 	Founded as an ICT construction and software solutions provider for public-sector projects.

BUSINESS

ICT SI (System Integration)

- Smart City Integrated Platform
- Public & Industrial Safety Platform
- Intelligent Safety School Zone Platform
- Integrated Monitoring System
- Mobile Application Development



R&D (Research & Development)

- Daegu Data Safety Zone Development Project
- AIoT-based Smart Streetlight Solution
- Intra Network-based Pilot Infrastructure Development

Network Equipment & Security

- Server, Network, and Security Systems
- AI-based Data Center Infrastructure
- CCTV System Deployment
- IP Broadcasting Systems



Development of an AIoT-based Environmental & Anomaly Detection Pedestrian Safety System Using Smart Security Streetlights

This project integrates an automated disaster alert system with smart streetlights. AI algorithms running on edge devices analyze and determine risk situations, transmit alerts to servers, and link with CCTV systems to enable real-time broadcasting and mobile notifications. The system helps prevent crime and accidents, supports rapid response and rescue in emergencies such as fires or falls, and reduces social costs. By utilizing existing streetlights and poles as installation infrastructure, the system also minimizes construction costs and urban disruption.



AI BOX



Fire detection



collapse detection



Restricted Area Entry Detection



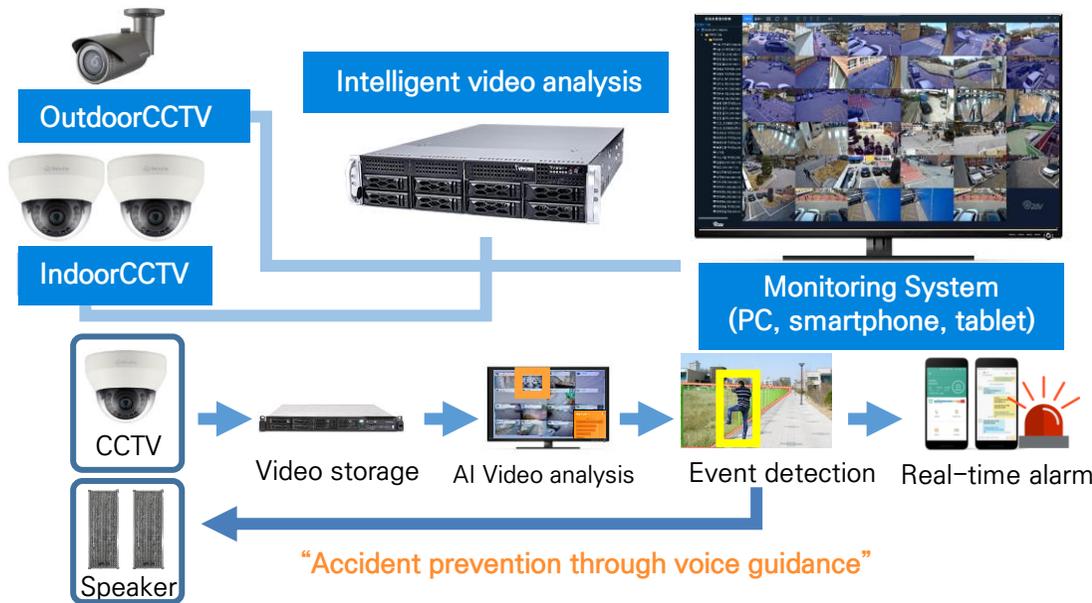
위의 발명은 「특허법」에 따라 특허원부에 등록되었습니다.
This is to certify that, in accordance with the Patent Act, a patent for the invention has been registered at the Korean Intellectual Property Office.



Sales performance(high school)

👉 Intelligent video surveillance device solutions

Using real-time video analytics, the system selectively monitors only CCTV footage in which specified objects appear, enabling efficient and focused surveillance. It provides intelligent object analysis and emergency situation detection to support rapid and accurate response. To ensure a safe and comfortable educational environment for students, parents, and teachers who use or visit schools and educational institutions, we propose an advanced safety monitoring system.



- 1 **Campus dispute**
- 2 **Fall detection**
- 3 **Vehicle entry detected**
- 4 **Live monitoring**
- 5 **Intrusion detected**
- 6 **Restricted area**
- 7 **Fire detected**
- 8 **Risk alert**

Hazard detected, notify manager



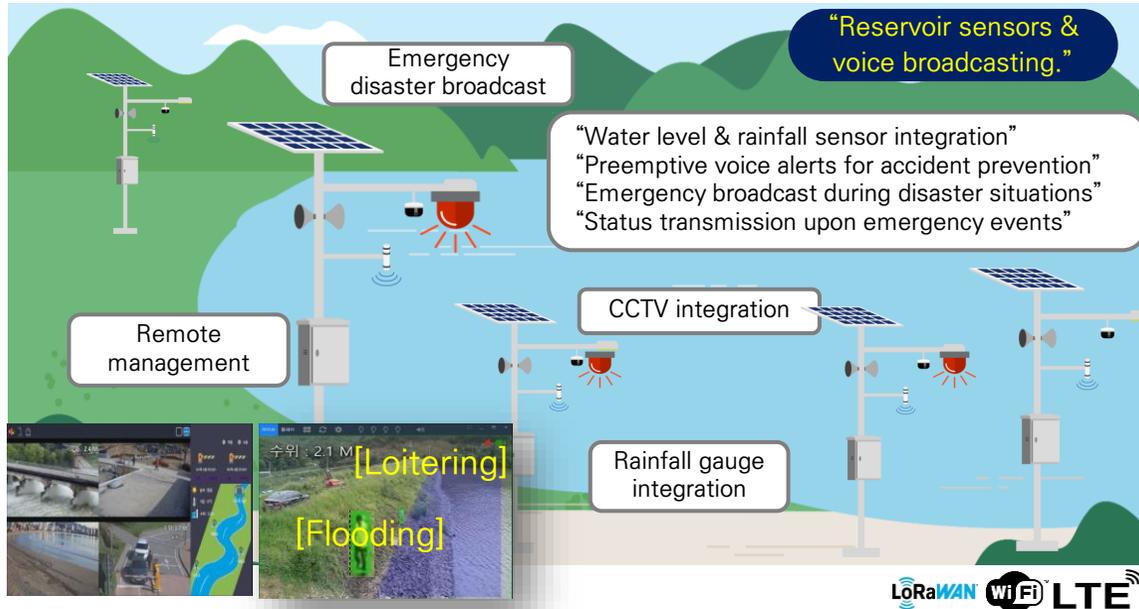
Night entry warning broadcast



Sales performance(Uiseong Sinwol District)

Disaster alert broadcast system

An AIoT-based emergency broadcast system that helps prevent reservoir safety accidents and enables rapid response to risk or disaster situations.



- Safety Accident Prevention**
 - Emergency & guidance broadcasts during hazards
 - Early warnings for reservoir safety accident
- Rapid Situation Response**
 - Real-time mobile alerts on events
 - Smartphone App & SMS notifications supported
- Easy Maintenance & Management**
 - Real-time device status monitoring
 - Web-based administrator management
- Early Hazard Detection**
 - Real-time monitoring and alerts
 - Quick response to hazard situations

Installation cases



(Uiseong Sinwol District) Surface Water Reinforcement Development Project – Emergency Broadcasting System

Community care-based services for vulnerable groups linked with Smart City platforms

👉 “Smart City Integrated Platform.”

“The Smart City Integrated Platform is an urban situation management tool that comprehensively collects and processes various city events that may occur simultaneously across areas such as public safety and disaster prevention, traffic, environment, and facility management at local government smart city centers.”



Smart City Integrated Platform Common Services



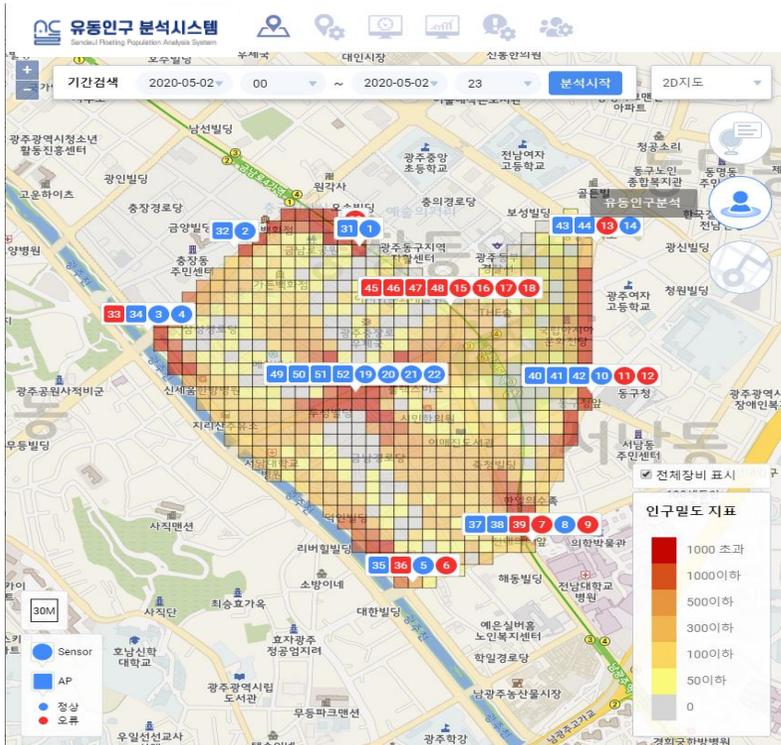
linked services

- SmartHome
- Elderly living alone health monitoring
- Video analytics
- License plate recognition
- Traffic control
- Traffic accident footage
- Hazardous facility protection support
- Fire protection notification

Sales performance(Gyeongnam-Jindong Port)

☞ “Smart City Platform (Foot traffic & fine dust reduction monitoring).”

“Using real-time video analysis, only CCTV footage containing selected objects can be selectively monitored, enabling intelligent object analysis and emergency situation detection. We propose a safety monitoring system that provides a safe and comfortable educational environment for students, parents, and teachers who use or visit schools and educational institutions.”.



GIS-based foot traffic analysis

Foot traffic / dwell population analysis

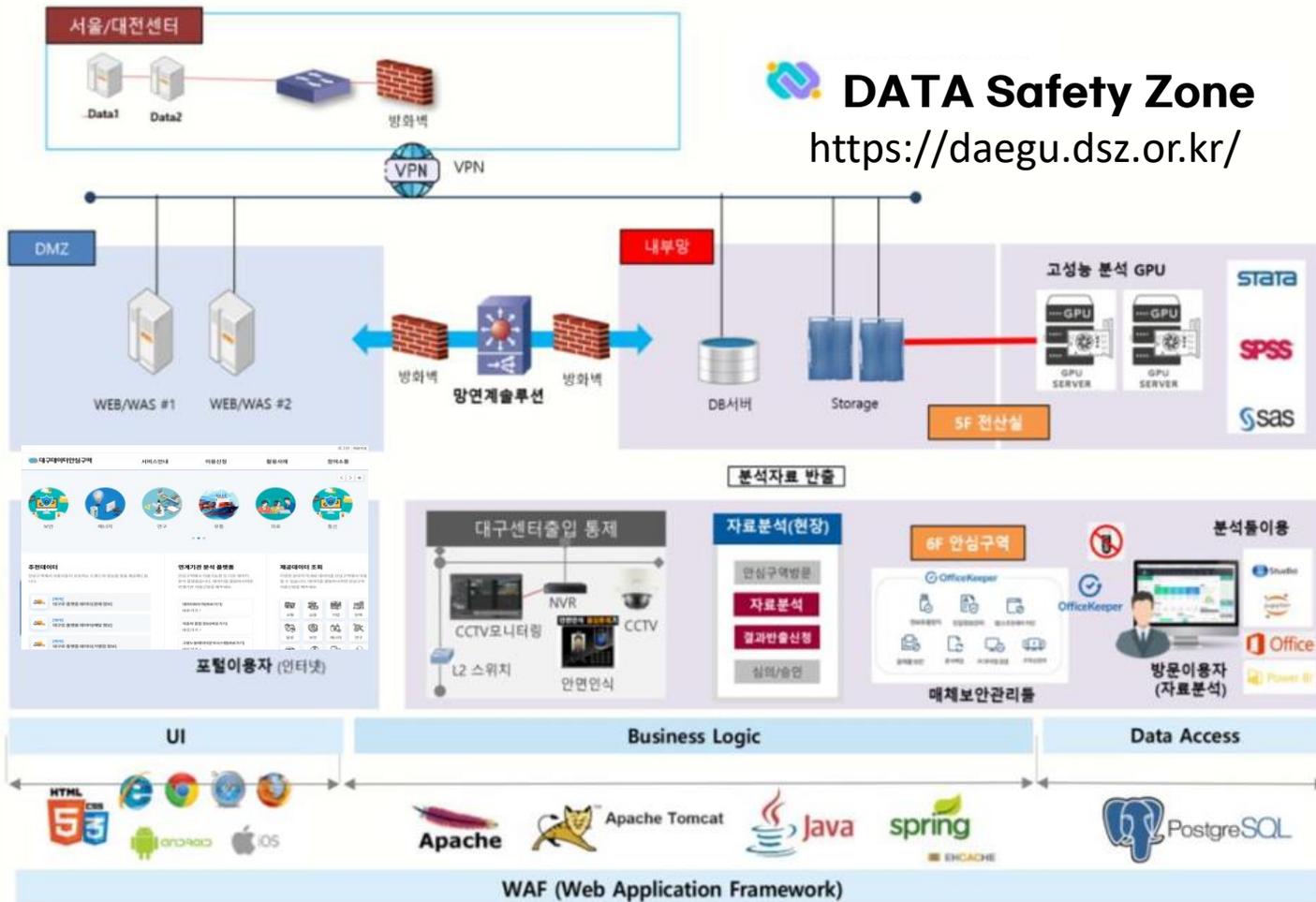


Effect Visitor analysis | Foot traffic analysis | Wi-Fi service

- Dwell population & foot traffic analysis
- GIS visualization of visitor counts
- Visitor statistics & dwell time analysis
- Provides foot traffic analysis, movement path analysis, and statistical functions

👉 “Development and operation of a data safety zone”

A Data Secure Zone is a controlled environment designed to safely analyze and utilize sensitive data without the risk of external leakage. It ensures the protection of personal and critical information through strict physical and technical security controls. By enabling secure data use, it supports data-driven innovation and enhances policy and industrial competitiveness.



💡 Development safety zone

💡 Development of an analysis system

💡 Development of a management system

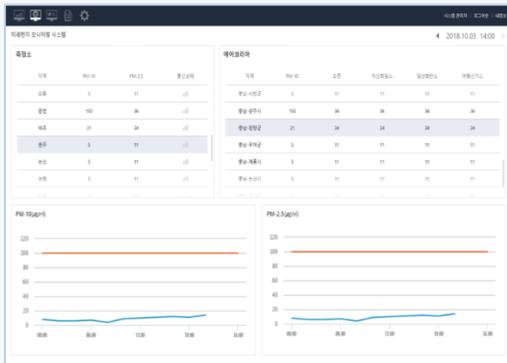
👥 Server, network & data center setup

Operation & maintenance



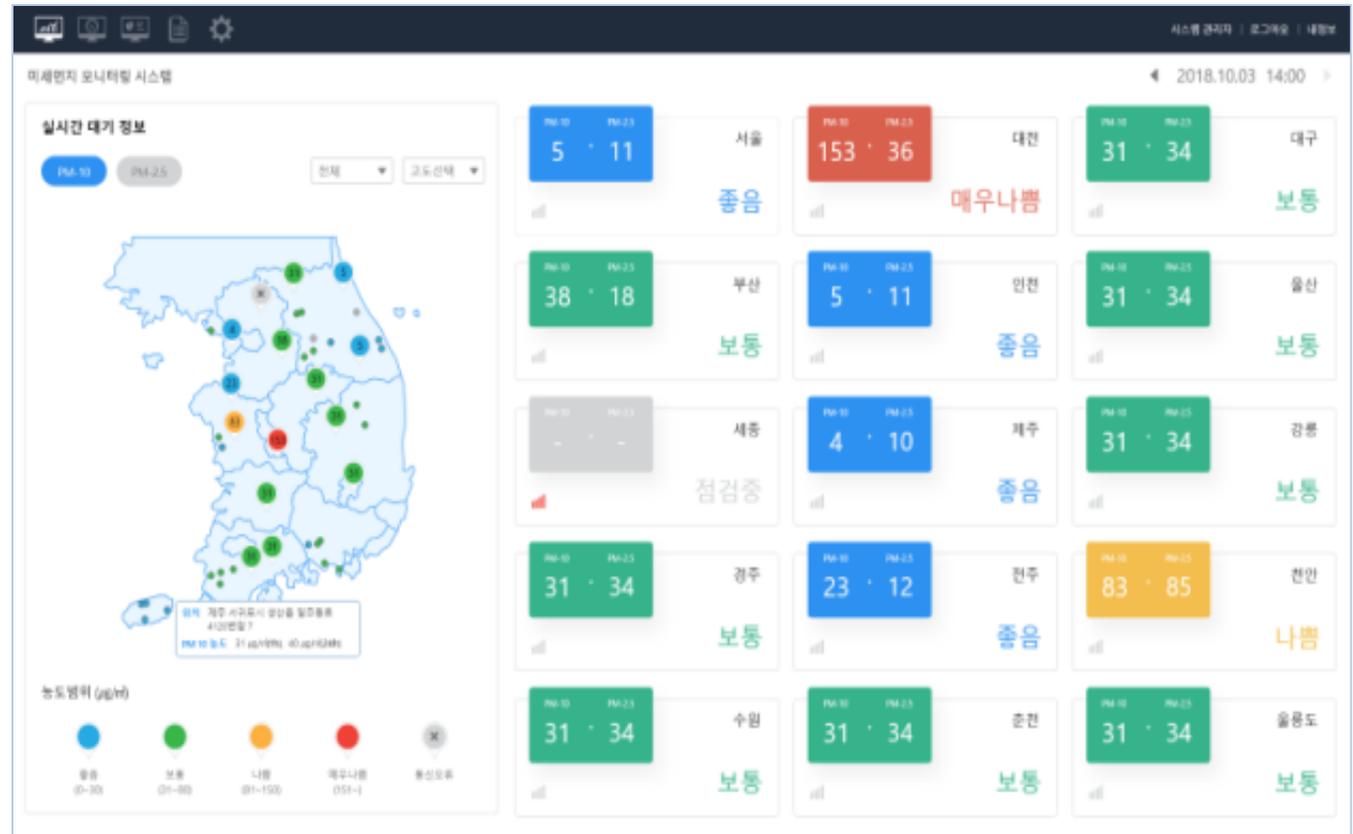
Sales performance(Republic of Korea Air Force)

Fine dust monitoring system



The fine dust monitoring system measures fine dust levels in real time through measurement equipment and presents air pollution conditions to users in various formats.

Based on the collected data, it predicts changes in fine dust concentration and movement paths, contributing to the prevention of damage caused by air pollution.



Sales performance

- Establishment of a fine dust monitoring system for the Republic of Korea Air Force

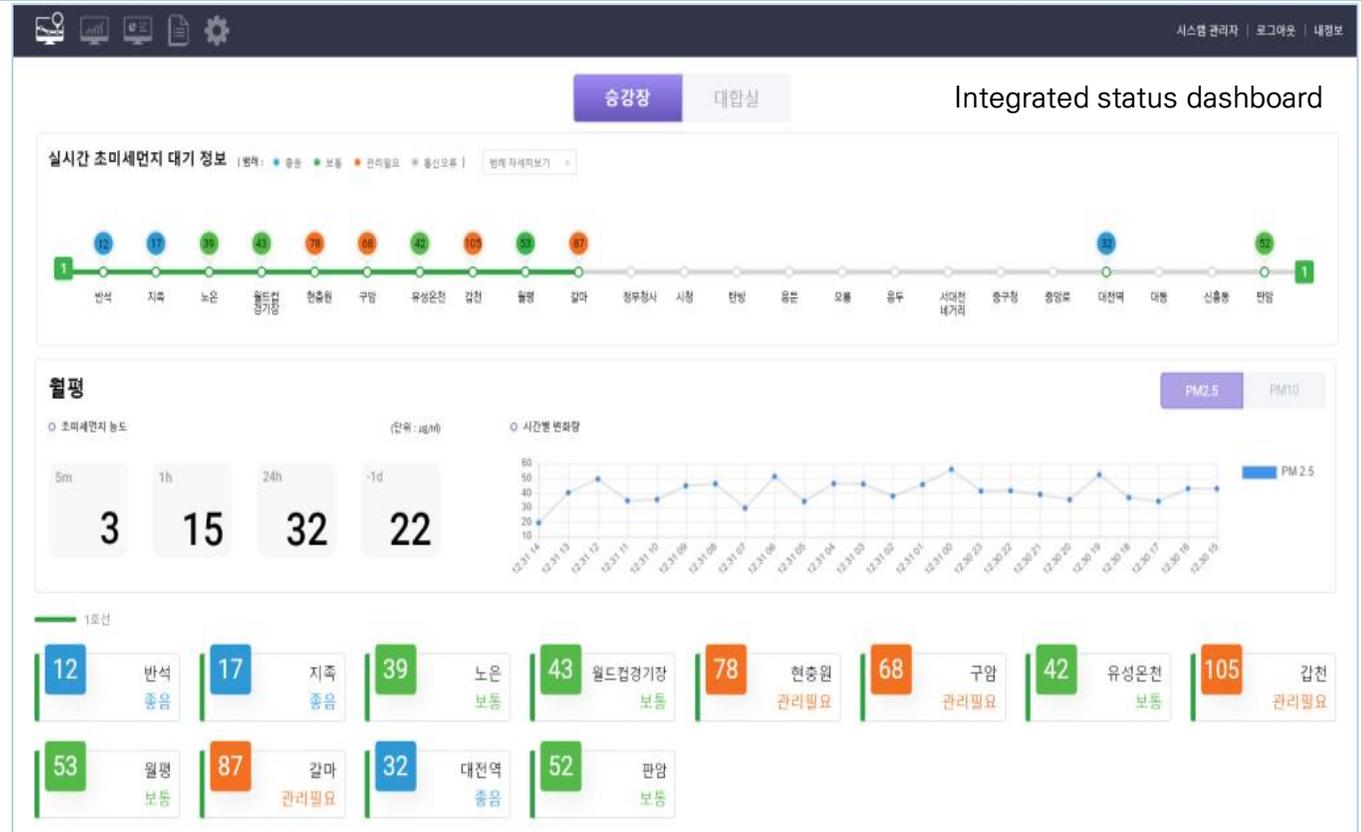
Sales performance(Korea Railroad Corporation)

Urban railway fine dust monitoring system



The fine dust monitoring system measures fine dust levels in real time through sensing equipment and presents air pollution conditions to users in various formats.

Using the collected data, it predicts changes in fine dust concentration and movement paths, helping to prevent damage caused by air pollution



Sales performance

- Daejeon Metropolitan Express Transit Corporation
- Gwangju Metropolitan Rapid Transit Corporation
- Shinbundang Line
- Seohae Line
- Ui-Sinseol Line
- Gimpo Goldline

Sales performance(Server&Network Maintenance)

[Daegu Metropolitan City]
Smart City | Operations Center Server & Network Maintenance."



[Chungdogun]
CCTV Integrated Control Center Maintenance



[Gyeongsan City]
Traffic Information Center



[Daegu Bank Training Institute]
Center Maintenance



[Gyeongsan City]
Smart City Control Center Operations



[Pohang City]
Network Maintenance



Supplied items to the Government of the Republic of Korea



Video surveillance system (government procurement item)

Sandeul Item

SD-N20

ItemNo | 25125086



- Web Browser-Based Management (B/S)
- Linux-Based Embedded ARM Processor
- Ultra-Low Latency (≤ 50 ms)
- 4 Timing Schedules Supported
- Industrial-Grade Reliability
- IP Network Broadcasting Equipment
- PoE Option Available

SD-NHorn30

ItemNo | 25130295



- Web Browser Management (B/S)
- Linux-Based Embedded ARM Processor
- Communication Delay ≤ 50 ms
- 4 Timing Schedules
- Industrial-Grade Stability
- IP Network Broadcasting Equipment
- PoE Option

SD-PS100

ItemNo | 25142002



- Minimal Variation in Directivity Angle Across Frequencies
- Rated Output: 100 W
- Network: TCP, VDP
- Frequency Range: 120-18,000 Hz
- Dimensions (W × H × D): 214 × 294 × 414 mm
- 필요하시면 더 짧은 사양형, 아이콘 옆 표기용, 또는 오디오)

DAA-370P

ItemNo | 25131996



- Professional Audio Amplifier for PA Systems
- 100V high impedance

SD-C121P

ItemNo | 25850247



- **Configuration**
Dome Camera: FDC-ID1221H-MR
PoE Injector
- **Specifications**
Dome Camera: 2 MP /
Image Sensor: 9.07 mm
CMOS / Illumination: 0 lx
PoE Injector: Power supply
- **Application:** Indoor (security) surveillance system
- **Certification:** TTA Certified

BOARD-12

ItemNo | 24652619



- Hi fidelity
- Fine component
- High quality preamp
- Durable fader
- FX effects