Technology | South Korea

# Going global with AI-powered video security

## Innodep

Korea's Innodep supercharges performance for a new generation of AI-enabled video monitoring and analytics solutions with AI-optimized Lenovo and Intel infrastructure. That's the power of Lenovo with Intel Inside®.

1 Customer background

# Who is Innodep?

Innodep specializes in AI-based video surveillance and integrated control platforms. Founded in 2008, the company quickly rose to the top of Korea’s video surveillance market.

Today, Innodep employs 220 people and provides a range of AI-powered security monitoring and video analytics solutions that help shape safer urban and industrial environments.

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# 2 The challenge

For years, security systems relied on large teams to constantly monitor video feeds or review footage following an incident. With the rise of AI, security is shifting to a more proactive approach, gaining the ability to analyze live camera footage, detect unusual activity, and respond instantly.

Innodep aims to be at the forefront of this change. It’s on a mission to grow into a global AI platform company, harnessing cutting-edge technologies including Vision Language Models (VLM) and physical AI to bring more powerful and efficient capabilities to clients worldwide.

# 2 The challenge

As it pushed the boundaries of AI development, Innodep started hitting the limits of its existing infrastructure. Data volumes and processing demands were exploding, while the company was stepping into new industries and global markets. To support this rapid rate of change, Innodep looked to build stronger hardware foundations.

> “To enable our next phase of growth, we needed to secure AI-ready infrastructure at a competitive price and on a stable delivery schedule. We knew that our choice of technology partner would be critical to achieving these objectives.”
>
> **Chu SungWoon**
> Director, Innodep

3 The solution

# Infrastructure made for AI

To take its computing capabilities to the next level, Innodep selected Lenovo ThinkSystem SR250 V3 and SR650 V4 servers, both featuring Intel® Xeon® 6 processors. With more cores, memory bandwidth, and AI acceleration in every core, Lenovo and Intel deliver breakthrough performance and efficiency for a wide range of compute-intensive workloads. Built into the CPUs, Intel® Advanced Matrix Extensions (Intel AMX) deliver stronger AI training and inference performance with no additional hardware, helping to accelerate deep learning workloads.

Innodep uses the Lenovo ThinkSystem servers to power advanced AI applications and workloads that process massive volumes of real-time data from surveillance video streams, cloud environments, edge computing, and sensor systems.

## Hardware

Lenovo ThinkSystem SR250 V3
Lenovo ThinkSystem SR650 V4
Intel® Xeon® 6 processors

## Software

Lenovo XClarity

3 The solution

# Flexible configuration and straightforward management

Innodep works closely with Lenovo to design, procure, and deploy bespoke infrastructure for new client deployments. The company can provide either a physical server environment or a virtualized one, depending on a client's operational requirements and scale. The number of physical servers and virtual machines is determined flexibly according to each project's system configuration and processing capacity needs.

For management, Innodep relies on Lenovo XClarity, which allows administrators to remotely monitor hardware status and manage a variety of tasks such as power control, remote console access, operating system installation, and troubleshooting.

Chu SungWoon, Director at Innodep comments: "We especially value Lenovo XClarity's remote management capabilities, which allow us to provide rapid technical support and issue resolution. This is a great advantage for our international deployments, where it isn't always easy to coordinate local engineering and technical support."

“**Lenovo and Intel deliver strong performance and stability where we need it the most.** The ThinkSystem servers meet all our requirements for **large-scale video processing, AI video analytics, uninterrupted operation, and future system scalability**.”

Chu SungWoon

Director, Innodep

# 4 The results

Lenovo and Intel provide Innodep with the performance and scale to enable ever-more computationally intensive and data-heavy workloads.

Thanks to the extreme processing power of Intel® Xeon® 6 processors and flexible design of Lenovo ThinkSystem servers, the company can easily support diverse AI, analytics, and video processing workloads.

This will be key to driving continued development of intelligent surveillance solutions and driving Innodep's growth into diverse industries and international markets.

- Delivers strong performance for AI workloads
- Provides steady supply of competitively priced hardware
- Supports growth into new international markets

4 The results

# Gaining the scale to compete globally

Partnering with a proven technology provider like Lenovo gives Innodep access to a reliable supply of infrastructure components and strong technical support capabilities worldwide. The company is less exposed to hardware price fluctuations and supply chain uncertainty—sharpening project management precision and competitiveness.

“Lenovo gives us much more certainty when it comes to hardware procurement,” says Chu SungWoon. “It’s much easier for us to secure the infrastructure we need at competitive prices and deploy it on time. This helps us reduce project execution risks and consistently meet our clients’ budgets, schedules, and quality requirements. It puts us in a much stronger position to go after new business and establish a positive reputation with clients.”

“With Lenovo and Intel, we have established a **flexible foundation** for responding to future technology developments and expanding our AI-based services. This puts us in a **strong position to deliver more competitive solutions and grow our business in Korea and beyond**.”

Chu SungWoon

Director, Innodep

# Why Lenovo?

Innodep had high expectations for a new technology partner, and Lenovo rose to the occasion, offering a reliable supply of high-performing, competitively priced hardware. The latest-generation Intel® Xeon® 6 processors deliver performance and efficiency without compromise. Crucially, Lenovo hardware also proved to be highly compatible with Innodep's wide range of workloads, allowing the company to guarantee stable operations.

"Meeting our clients' budget requirements and implementation schedules is extremely important," notes Chu SungWoon. "By offering competitive pricing and a steady product supply, Lenovo ensures we deliver on time and on budget, keeping our clients satisfied."

# How do you support new AI workloads effectively?

Innodep speeds development of next-gen video security solutions with AI-optimized Lenovo ThinkSystem servers powered by Intel® Xeon® 6 processors.

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