

# CASE STUDY

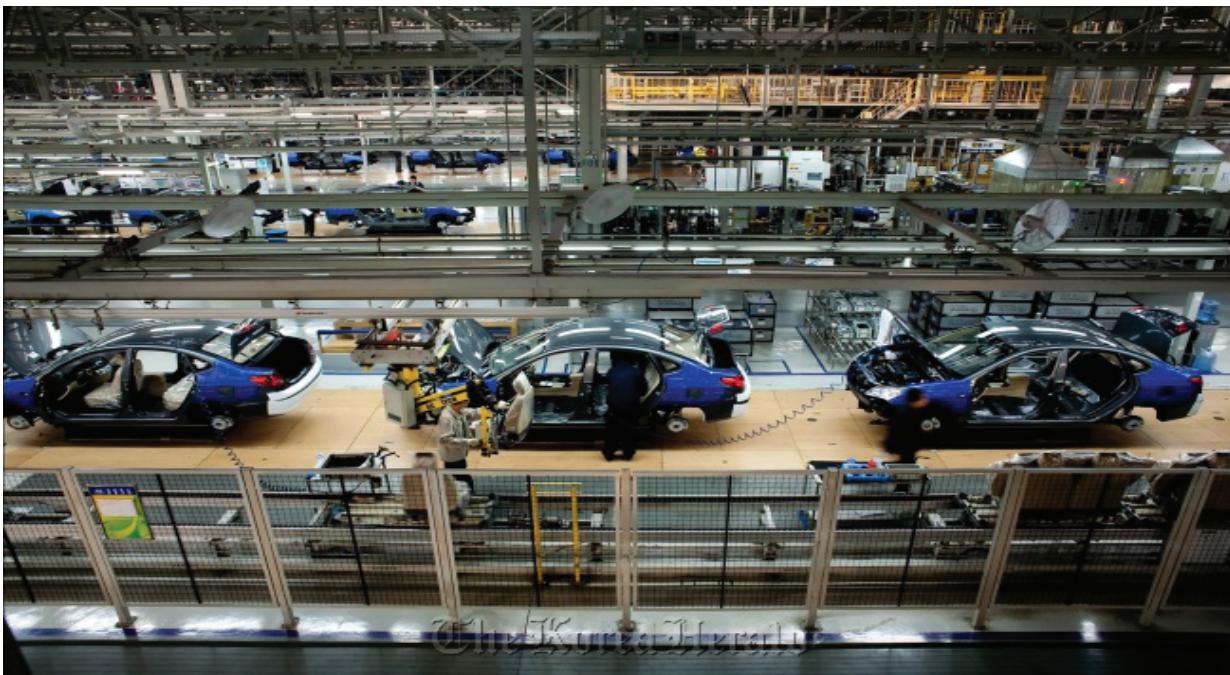


PLANT MONITORING - FIRE PROTECTION

# OVERVIEW

Hyundai Motors deployed N3N's INNOWATCH monitoring and detection in fourteen plants around the globe.

Hyundai uses N3N's sensor data in combination with video surveillance to detect issues in its plants. With N3N, Hyundai is able to monitor, detect and predict issues in all its plants from one smart control room. INNOWATCH uses N3N's Pixel On Demand technology which makes it possible for hundreds of camera feeds to be displayed onto a single video monitor.



In addition Hyundai selected INNOWATCH for its real-time fire prevention system. By combining surveillance cameras with sensor data the team at Hyundai can now monitor and protect over 300 locations inside its worldwide plants. For Hyundai monitoring all key locations inside plants from a central location is vital for the production demands of the business.

## SCOPE & SOLUTION DELIVERED

### N3N Delivered:

- Real-time delivery of over 300 full HD resolution cameras from fourteen plants around the globe
- Integrate real-time delivery of over 300 flame detecting sensor data paired with video cameras
- Monitor live cameras paired with flame detecting sensors dispersed throughout production lines
- Live videos integrated on the map of related areas enabling intuitive situation monitoring assembly line modifications occur
- Pop up video notification connected to sensors of flame detected areas



# BENEFITS

## N3N Delivered:

- Detect and prevent mission critical incidents
- Fire prevention system
- Monitor 14 plants from one smart control room
- Integrate IoT sensors with surveillance cameras
- Delivers all video and sensor data concurrently
- Real-time video integrated onto location maps
- Hyundai saves over \$1.4 million dollars in annual monitoring costs

PRODUCT	REQUIRED BANDWIDTH	NETWORK COST IN KOREA
Conventional System	2.4Gbps	\$150,000/month
INNOWATCH	20Mbps	\$27,000/month
<b>Monthly Savings</b>		<b>\$123,000/month</b>

## Recap:

With INNOWATCH Hyundai Motors is able to protect its plants and production lines from critical issues.

INNOWATCH reduced meantime to detect and resolve issues by allowing operators to perform real-time diagnosis of production lines.

Using INNOWATCH - Hyundai also rolled out a fire prevention system which makes it possible to quickly locate, predict and resolve issues in real-time.

To find out how N3N can help your team please drop us a line at [800.N3N.2095](tel:800.N3N.2095) or [email us at sales@n3n.io](mailto:sales@n3n.io)

