

# HYUNDAI KIA MOTORS PLANT FIRE PREVENTION MONITORING

## OVERVIEW

Hyundai Kia Motors, the world's fifth largest automobile production company, has deployed INNOWATCH to monitor and prevent fire for its fourteen worldwide plants. The reason behind INNOWATCH selection was due to its ability to deliver all surveillance cameras and sensors using the Pixel On Demand technology on limited network bandwidth. INNOWATCH has provided a system that integrated over 300 surveillance cameras and sensors from worldwide plants and deliver them on real-time for fire prevention from local plants and in Seoul headquarter office.

## SCOPE & SOLUTION DELIVERED

- Real-time delivery of over 300 full HD resolution cameras for 14 worldwide plants
- Integrate and real-time delivery of over 300 flame detecting sensor data paired with cameras
- Monitor live cameras paired with flame detecting sensors dispersed throughout production lines for each plant
- Live videos integrated on the map of related areas enabling intuitive situation monitoring
- Pop up videos and sensors of flame detected areas along with warning alert

## BENEFIT

- Detect and prevent mission critical incidents on overseas plants
- Integrate IoT sensor with surveillance camera videos
- Deliver all video and sensor data concurrently on limited network bandwidth (20 Mbps)
- Network cost saving for delivering 300 full HD cameras

PRODUCT	REQUIRED BANDWIDTH	NETWORK COST IN KOREA
Conventional System	2.4Gbps	USD 150,000/month
INNOWATCH	20Mbps	USD 27,000/month
Monthly Savings		USD 123,000/month

