

POSCO CENTRALIZED OPERATION PLATFORM

OVERVIEW

POSCO, the world's largest steel producer, was in search of a next-generation monitoring solution to replace its deteriorating system and handle additional production lines constructed recently. POSCO selected INNOWATCH to integrate Realtime remote view and control of external systems for intuitive and efficient operating environment.

SCOPE & SOLUTION DELIVERED

- Realtime remote view and control of external systems (SCADA, IBM MAXIMO) through one user interface
- Intuitive UI authoring to diversify operation screens fitting individuals and groups with disparate concerns
- Report generator using industrial video feeds, images, and data
- Convergence with Big Data
- Realtime trend data from SCADA
- Integration and delivery of Industrial video with POD

BENEFIT

- Realtime remote control enables efficient global operation
- Remote data access to SCADA, MAXIMO reduces time spent on physical collection of their data
- Shorter time forecasts enabled through SCADA 'Time series' Analysis
- Operation playback can be used as self explanatory training materials for new technicians

KPI	Before	After	Result	Remarks
Individual Productivity	4 hr / day	1 hr / day	-3 hr	Time spent in physical collection of SCADA, Video data
Maintenance Cost	USD 8.4 M	USD 4.2 M	- \$42 M	
Network Bandwidth	360 Mbps / 36 HD	10 Mbps / 36 HD	-350 Mbps	
Annual global dispatch cost	Approx. USD 6 M	Approx. USD 1.2 M	-500%	POSCO statistic, 2013

