

INCHEON BRIDGE TRAFFIC SERVICE CENTER

OVERVIEW

Incheon Bridge is the world's 5th longest bridge at 21.38 km long that connects Incheon International Airport to Songdo International Complex. Traffic service center has to simultaneously monitor and utilize the surveillance cameras for traffic light signals, road signs, road weather information system, vehicle detection system, and lane control system to maintain smooth traffic flow and safety for drivers. There are currently 81 surveillance cameras installed on the Incheon Bridge for the purpose of traffic control.

INNOWATCH has successfully integrated surveillance camera videos with maps, data and 3rd party systems for operators to monitor the traffic more efficiently.

SCOPE & SOLUTION DELIVERED

- Monitor 81 surveillance cameras installed throughout Incheon Bridge
- Integration with surveillance cameras, maps, data, road weather information system, vehicle detection system, and lane control system
- Concurrent display and monitor live camera videos installed on Incheon Bridge from traffic service center
- Live videos overlaid on the satellite map of the corresponding areas enabling intuitive monitoring
- Integrate and display all TSD (Traffic Sign Display), LCS (Lane Control System), RWIS (Road Weather Information System) data on satellite map with camera videos using 50" DPL cube (2x4)

BENEFIT

- Reduce management cost by minimizing operating manpower
- Consolidated view of 3rd party data sources
- Inform road conditions to vehicles and prevent critical incidents

