

# K-WATER FACILITY MONITORING CENTER

## OVERVIEW

Korea Water Resources Corporation (K-water) manages water level for all 32 dams in Korea. In order to manage water level appropriately and react swiftly throughout the country during dry or rainy season, INNOWATCH plays a pivotal role for K-water. With 90 surveillance cameras scattered across the nation, INNOWATCH has successfully integrated camera videos with satellite map, water level data, and alarm system for efficient monitoring.

## SCOPE & SOLUTION DELIVERED

- Display all existing surveillance cameras on satellite map and integrate with alarm and data (water level, inflow, outflow, rainfall level, floodgate, etc.)
- Set off alarm, display and zoom-in corresponding cameras and data when water reaches pre-set level
- 24 hour automated alarm system
- Monitor live camera videos and data from local dams as well as from central station
- Live videos overlaid on the map of corresponding areas enabling intuitive monitoring
- Concurrent display of all camera videos using 55" LCD touch monitor (1) and 42" LCD Monitor (1)

## BENEFIT

- Reduce time to detect and resolve abnormal incidents from each dam from consolidated view of cameras and data
- Prevent and control natural disasters, such as draught and flood
- Protect mission critical facilities

