GENIUS VISION DIGITAL

Case Study



ORGANIZATION
KSEB LTD.

LOCATION
KERALA

INDUSTRY
GOVERNMENT

APPLICATION
GVD TURNKEY VIDEO MANAGEMENT SOLUTION

KSEB Ltd. DAM - Kerala

The Background

The Dam Safety Organization, KSEBL started functioning in 2006. The headquarters of DSO, KSEBL is at Pallom, Kottayam district in the state of Kerala. KSEBL has 59 storage dams/diversion structures located in 8 districts including five very high (height greater than 100m) dams of national importance. It also has 14 high dams (height 30m to less than 100m), 15 medium-high dams (height 15m to less than 30m), and 25 low high (height 10m to less than 15m)and other dams.

Their objective is to improve and maintain the safety and operational performance of the dams and connected structures, ensure safe operation of gates and control structures, monitoring structural and operational safety of dams, carry out inspections and prepare health reports, undertaking activities for improving safety of dams.
Also, they want to improve the health and safety of dams under KSEBL and to reduce the risk to life and property of stake holders downstream through effective dam safety procedures.

- 59 Storage Dams located in 8 districts

KSEB DAM SAFETY Organisation
കേരളത്തിന്റെ ഊർജ്ജം



Challenges

Here are some challenges that Government face when it comes to implementing video surveillance systems:

Privacy concerns: One challenge that government facilities face when implementing video surveillance systems is the potential for invasion of privacy. This can be particularly sensitive in areas where people may expect a higher level of privacy, such as restrooms or dressing rooms.

Security concerns: Government facilities may also have security concerns when it comes to video surveillance. They may need to protect against tampering or destruction of the cameras or footage, as well as unauthorized access to the footage.

Cost: Another challenge that government facilities may face when implementing video surveillance systems is the cost. These systems can be expensive to install and maintain, and government facilities may have limited budgets for this type of technology.

Technical challenges: There may also be technical challenges associated with implementing video surveillance systems in government facilities. For example, the facility may be large or have a complex layout, making it difficult to install and maintain cameras.

Legal considerations: Government facilities may also need to consider legal issues when implementing video surveillance systems, such as compliance with state and federal laws related to privacy and surveillance.

Solution

KSEB gets a Turnkey Video Management Hardware and Software solution that brings all their DAMs surveillance in a Central Location and with standardization and advanced technology helps them build a scalable and reliable system. The backbone architecture of GVD's Enterprise Turnkey solution for Video Management is Windows 10 IoT which is a super easy to use familiar interface with organized tiles and tabs for each and every function in the system.

System:

M6016-DAS-C024 (16 PCs.)

D4200-CW04 (1 Pcs.)

D4200-CW02 (1 Pcs.)

- Virtual Hard Disk (VHD)
- Modbus support & TCP message
- Time Sector Engine (TSE)
- High-capacity
- Video Content Analysis
- Modbus support & TCP message
- N+M Failover for Zero downtime



Benefits

Increased security: One of the main benefits of video surveillance in government facilities is increased security. Video surveillance can help to deter criminal activity, such as vandalism or theft, and can also aid in the identification and prosecution of individuals who engage in such activity.

Enhanced public safety: Video surveillance can also enhance public safety by allowing government officials to monitor activity in and around the facility. This can help to identify and respond to potential safety hazards or emergencies.

Improved efficiency: Video surveillance can also help to improve the efficiency of government operations. For example, video footage can be used to monitor employee productivity and identify areas for improvement.

Enhanced decision making: Video surveillance can provide government officials with valuable information that can be used to make informed decisions. For example, video footage can be used to evaluate the effectiveness of various policies or programs.

Increased transparency: Video surveillance can also increase transparency by providing a visual record of events. This can help to build trust between government officials and the public, and can also be used to hold government officials accountable for their actions.

Overall, integrating surveillance with other systems can help to create a more secure, efficient, and effective security solution.