

Case Study

Client:



Client since 2010

Project: IP CCTV - New Installation

Value:



Project brief

OpenView was awarded (via competitive tender) the most technically challenging-advanced CCTV system project during 2010

The Mersey tunnels connect Liverpool City to the Wirral Peninsula. They are the main route for vehicles and are a vital artery for the area with 25 million cars per year travelling through these tunnels. The tunnels are operated by Merseytravel using their own dedicated police force.

OpenView secured the contract by offering an Avigilon IP-CCTV system which uses mega-pixel camera technology. This delivered superior performance and cost efficiencies and we demonstrated our strong track record with this type of technology.

Client brief

The client required a flexible and scalable CCTV system which was digital based that would operate over their data network infrastructure. The system had to provide CCTV vehicle traffic surveillance throughout the tunnels, plus capture all vehicle number plates at key entry / exit points.

All CCTV images had to be recorded at live frame rate at high quality for 31 days to provide compliance for the client.

The system had to be scalable to accommodate other divisions of Merseytravel including:

- Vehicle tunnels
- Bus stations
- Transport Interchanges
- Ferry Terminals
- Ferries

"OpenView delivered an advanced system to protect our tunnels - the operators appreciate the superior image quality, it is like having our own Google Earth where we can zoom into fine detail, even when reviewing recorded information."

Colin Dever - Merseytravel

Client benefits

This scalable CCTV system increases the security and safety for this vital route for Liverpool

- All number plates recorded -increased security
- 100% CCTV coverage in the tunnels -increased safety
- All information is recorded for evidence
- Cameras are connected to the WAN allowing for bus terminals, ferry ports, passenger interchanges to be protected by the system - far reaching solution
- Wireless IP-CCTV is also being planned for coverage of ferries

The technology provided differs from conventional CCTV where megapixel camera technology can view wide coverage for general traffic surveillance and can digitally zoom in to view number plates in both live viewing and post recorded modes.

This enabled operators to get the best of both worlds where they see increased activity and can zoom into specific information.

System Statistics

- 240+ megapixel IP cameras
- Cameras are permanently recorded onto RAID5 servers totalling 500TB digital storage
- Cameras provide number plate recognition recording
- The cameras provide CCTV coverage throughout the tunnel.
- The operation centre has multiple workstations for command and control
- GUI maps and alarm integration for ease of use



Systems

- Access Control Systems
- CCTV Systems
- Door Entry & Intercom Systems
- Intruder Alarm Systems
- Nurse & Warden Call Systems
- Communal Aerial Systems
- Vehicle Barrier Controls
- Internal Barrier Controls
- Front End System Integration
(Security Management Systems)
- Transmission Systems (wireless/
copper / fibre / Ethernet)

Services

- System design including CAD
- Workshop test & pre-build facilities for FATs
- Bespoke software for complicated system
integration
- Project management
- Full installation works
- Full system commissioning / configuration /
witness testing to point of project handover
- Customer / system operator training
- O&M documentation
- Full maintenance & service provision
- 24/7 call centre
- Account Management & Customer Aftercare



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