



Case Study

Mission

South Dublin County Council recognises that a well managed road network is vital for economic and social development. With control of more than 847km of roads one of the council's goals is to achieve an Intelligent Transport System (ITS) that aims to increase road network efficiency by providing timely and accurate information to the public. To achieve this aim real-time access to high quality video is essential for accurate planning and congestion mapping so the council turned to IP specialists Controlware for an advanced video surveillance system.

Solution

Inside the council's Traffic Management Centre (TMC) operators have access to a continuous stream of traffic-flow data from detection systems throughout the local region. Operators view live and recorded video through an advanced management platform that controls a network of cameras. The camera network includes more than 50 Dial-up ISDN Cameras, 30 IP Cameras, 90 Automatic Number Plate recognition (ANPR) cameras, and access to a further 150 cameras from Dublin City Council. In addition to video surveillance automatic traffic counters and Remote Monitoring Systems send data to the Urban Traffic Management and Control Database (UTMC), which generates statistics and historical transport records.

Technology

The initial design for the traffic surveillance solution was based on ISDN transmission technology. Since the traffic surveillance solution is used continuously ISDN dialup (based on a per minute call rate), proved to be expensive so the solution is being upgraded to IP video codec's and IP



cameras. By using IP technology South Dublin County Council are able to take advantage of broadband connections that reduce costs and enable transmission of greater video bandwidth. This enables operators at the TMC to monitor high quality video that helps improve visibility of the roads network across the region.

Result

The IP CCTV Solution enables South Dublin County Council to benefit from high-quality real-time traffic surveillance. The council are able to maximise efficiency and resources while maintaining a secure and safe environment for road users. Through the adoption of advanced and

sophisticated IP surveillance solutions operators benefit from fast access to real-time and archived video information while support for technologies such as Intelligent Video Analysis can help make surveillance more proactive in the future. Video over IP forms part of a series of works being undertaken by South Dublin County Council as part of the EU ITISS (Intermodal Traveler Information SystemS) Project. From a technology perspective the success of this solution has paved the way for future deployment of other solutions across South Dublin County Council.



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