



The Client: Salford City Council



Salford City Council wanted new state-of-the-art CCTV Control Rooms and a 200-camera, city-wide wireless network. SilverNet worked with Quadrant to deliver this solution.

THE LOCATION

Salford, Manchester

THE REQUIREMENT

An outdoor wireless network to achieve a cost-effective long-distance surveillance system

THE TECHNOLOGY

- STREAM RANGE
- SPRINT RANGE
- A5 RANGE

THE SILVERNET BENEFITS

- All weather wireless network
- Simple installation
- Central management
- Rugged design
- 5Ghz frequency band
- Rigorously tested

The Challenge

To replace the existing expensive leased lines and outdated analogue wireless CCTV and provide a secure, CCTV solution.

The Solution

The solution encompasses a primary 1 Gb backhaul network connecting the two control hubs, as well as an additional connection node positioned over a triangular primary network.

SilverNet was able to deploy a vast network of wireless high quality radios to enable Quadrant's installation of new, real-time cameras to be viewed instantly in one or both of the two control rooms for a fraction of the original operating cost.

The Technical Bit

The High bandwidth STREAM range was used for the backhaul links while the SPRINT range and A5 range were used for the remote cameras, relaying to various tower blocks.

The system used Synectics' codecs, complete with Multicasting video and Dual control rooms. This was all done with the latest H264 High quality compression. The new system totalled almost 150 wireless links.

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