

Ballymun
Security System
Case Study

THE ADDRESS

Ballymun Ireland

THE REQUIREMENTS

To provide scalable security system infrastructure

THE TECHNOLOGY

- 11n Range

THE BENEFITS

- All weather wireless network
- Simple installation
- Central Management
- Rugged design

SILVERNET

Customer Overview



Ballymun is an area on Dublin's Northside close to Dublin Airport, Ireland. It is infamous for the Ballymun flats, which became a symbol of poverty, drugs, alienation from the state and social problems in Ireland from the 1970s.

From the regeneration of the area residents are enjoying the benefits of a multitude of arts, environmental action, recreational and training opportunities which go along with the regeneration. They will also enjoy the new physical infrastructure of parks, arts, and leisure facilities already built, under construction or on the drawing board.

The Challenge

To upgrade the failing cabled and partial old technology wireless infrastructure for access control and security systems with a flexible and reliable wireless infrastructure to cover multiple camera locations tenement blocks, with added resilience, cost effectively.

The Solution

Using the **11n MICRO** and **11n LITE links** as Multiple point to point links, **Atec Security** were able to install a system which linked back to the centrally managed digital recording system and access control system in the control room which wirelessly connected to multiple remote stations with ANPR and CCTV cameras attached.

The system was quickly installed and **Atec Security** team were delighted with the monitoring facilities within the **SilverView** network monitoring software as well as the ability to quickly configure the system.

Due to the high bandwidth availability the system can be easily expanded and have multiple cameras added to without any system performance degradation.

A key part of the system design was to have redundant links so if a link dropped for any reason another was able to take over. Using '**RingMESH**' design **SilverNet** and **Atec Security** were able to design a cost effective system that gave the customer just that.

The Technical Bit

The high bandwidth 11n range was used for multiple point to point links to the control room. Due to their minimal size and weight and the ability of giving cabled speeds across the network. The '**RingMESH**' was accomplished by incorporating managed network switches at each junction point which were running a sophisticated version of spanning tree.

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