TECHNOLOGY IN ACTION SECURE WIRELESS SOLUTION

InfiNet wireless

SWINDON BOROUGH COUNCIL

InfiNet Wireless enables urban surveillance in the United Kingdom

Introduction

Since the UK's Crime and Disorder Act of 1998 was implemented, local authorities are required to give high regard to crime prevention, and crime reduction and community safety are at the heart of their medium and long term planning strategies and day-to-day practice. Swindon Borough Council is at the forefront in leading the Government to tackle crime prevention and as part of this initiative and was the first Council to implement wireless closed-circuit television (CCTV) surveillance as part of its crime reduction policy, transforming Swindon for the future.

Key solution elements

After consultations with Initial Electronic Security Systems Ltd and 802 Global, a value-added specialist in the UK wireless, security and IP CCTV marketplace, the Council decide to take a holistic view of its security requirements. It recognised that they needed to expand the range and throughput of their fixed camera wireless transmission system. The vendor of choice for this wireless infrastructure was InfiNet Wireless, due to the performance, throughput, flexibility and resilience of their products.

A main deciding factor for Mark Walker, Housing and Regeneration Manager for Swindon BC, was that the latest digital wireless technology works easily with existing deployments. He wanted a system that fully integrated with the existing control room and could provide real-time live video, broadening the usage of CCTV to traffic monitoring and special events.

Solution summary

An extensive network covering tens of square kilometres and supporting approximately 200 camera feeds has been implemented across Swindon. The meshing capability of InfiNet radios also makes them a key element in 802 Global's Rapid Deployment Camera solution. Deployable cameras can connect to any wireless node on the fixed camera network to provide realtime video feeds in the central monitoring station. These cameras are proving to be an invaluable tool in preventing transient anti-social behaviour.

Key business problems

- How does the Council provide a pro-active approach to providing security for thei rtenants in community housing?

- How does the Council intervene in real time to combat low level, yet high cost crime such as graffiti, fly tipping and petty vandalism?

- How does the Council ensure that they can expand the system to provide surveillance in other areas of the city in the most cost effective manner?

«We have worked with Initial Electronic Security and 802 Global for several years and have always been impressed with their level of expertise and service. In discussing our need to provide mobile cameras around the Borough, we were fascinated to hear about the capability of the latest radios from InfiNet Wireless. When we were advised that we could have a completely compatible, integrated solution for our housing stock and for fixed and rapid deployment street cameras, we could immediately see that it was ideal for any local authority like us.»

Mark Walker, Housing and Regeneration Manager for Swindon BC

www.infinetwireless.com

The integrated approach provides Swindon with a versatile and mobile CCTV network that can be deployed rapidly into hotspot areas, where required, without the need for expensive leased line installations with long lead times, giving Swindon a flexible, robust and scalable solution.

Swindon Borough Council has saved a significant amount of money on their CCTV transmission costs by implementing a wireless IP infrastructure instead of traditional wired analogue circuits. However, the potential savings and revenue generation opportunities have only just begun. As the infrastructure is IP-based and optimised to support voice, video and data across a common network, many additional opportunities are opening up, including:
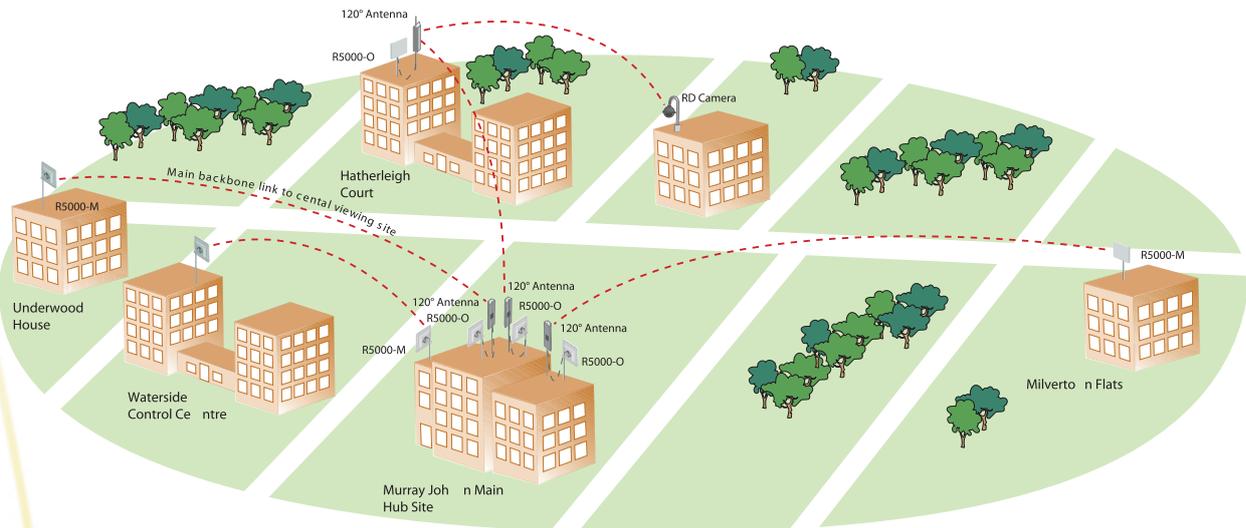
- Wide area network connectivity between council buildings
- Broadband initiatives for digital inclusion
- Metropolitan wireless Hotzones for Council employees or public access
- In-vehicle surveillance for public transport and emergency services vehicles

The combination of a forward thinking Council and the latest technology implemented by professional partners has paved the way to Swindon Borough Council providing ever improving services to its community, truly "Transforming Swindon for the Future."

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120° Antenna
R5000-O
RD Camera
Main backbone link to cental viewing site
R5000-M
Hatherleigh Court
Underwood House
120° Antenna
R5000-O
120° Antenna
R5000-O
120° Antenna
R5000-O
R5000-M
R5000-M
Waterside Control Centre
Murray John Main Hub Site
Milverton Flats

An extensive network covering tens of square kilometers and supporting 200+ camera feeds has been implemented across Swindon