

WIRELESS CCTV SYSTEMS REIGNS ON SEGro'S KINGS NORTON BUSINESS PARK

Following on from feedback highlighting the importance of security and safety to their customers, property company SEGRO has installed a CCTV system at the Kings Norton Business Centre, Birmingham. Rather than hard-wiring the system, they have employed a Fluidmesh 2200 wireless mesh network to help reduce the cost and time of the installation.

Kings Norton Business Centre is the premier business centre in south Birmingham, meeting the business space needs of a diverse range of companies. Located on a 24.3 hectare (60 acre) site, the development is wholly owned by SEGRO whose local management team is able to cater for the needs of the occupiers from its on-site regional office.

With a total property portfolio of £5.1 billion and 3.9 million sq m of business space, SEGRO's network of dedicated property teams provides Flexible Business Space to some of the world's largest and smallest companies throughout Europe and the UK.

Meeting customer expectations

SEGRO carry out regular surveys looking at how they can improve their service and facilities. In response to one of these surveys, customers at the Kings Norton Business Centre indicated that security and fear of crime were their biggest concerns. Crime rates at the centre have always been low, but the company immediately looked at increasing security in-line with these expectations. Because there are no ducts on the estate, and the cost of installing ducting was prohibitive, SEGRO needed a solution that wouldn't rely on hard-wiring.

Having approached a number of companies for competitive quotes, MITIE Security Systems was chosen to carry out the installation. "In contrast to the other companies they offered a wireless solution based on IP rather than on radio which was very appealing to us," says James Sherwood, Surveyor for SEGRO.

MITIE has installed eight Pelco Spectra IV dome cameras, all mounted on Altron columns around the business park. Each column has Optex Redwall 4010s detectors used to detect



SEGRO
SLOUGH ESTATES GROUP

activity and automatically move cameras to preset positions. The system uses Fluidmesh wireless IP transmission to relay the signal back to the control room on-site. PelcoNet converters have been used to convert the analogue signals from the cameras to IP. A Dedicated Micros DVIP digital recorder is used to record all in-coming information and link the system to the Business Watch control room in Slough from where the site is monitored.

"We regularly use Pelco cameras because of their reliability and we use Norbain to supply them because of their excellent service and fast response times," says Dave Brazenell, Sales Manager for MITIE Security Systems. He continues: "We were initially looking at using a system that utilised radio signals, but our account manager at Norbain suggested we use IP and this played an important part in us winning the contract in the end."

The Fluidmesh 2200 series employed at the site is the only wireless mesh networking product designed and manufactured specifically for security, video-surveillance and mission-critical condition monitoring applications. Because it takes advantage of two radios simultaneously, operating one radio in the 2.4GHz range, and the other one in the 5GHz range, it minimises latency and doubles the available bandwidth. The whole system is also self healing, so if there is an incident such as a power cut, it will automatically restore the network to full capacity with no external intervention.

"Because the Fluidmesh technology was new to everyone involved there was a pretty steep learning curve at the start of the project," says Mr Sherwood. "MITIE were very accommodating though and worked very hard to get any issues sorted. Now that we've worked through the teething problems I'd definitely use the technology again at another of SEGRO's properties."

With the system now up and running, there is a new sense of security around the business centre. "CCTV is a great deterrent and the system gives people using the centre the additional benefit of a visual sense of security and safety," says Mr Sherwood. "This is what is most important to us as a business so we're very happy with the results we've achieved."

About MITIE Security Systems

Whatever your needs, MITIE Security will listen to you, offer advice and suggestions where required, and provide an honest response to your enquiry. If you're not sure what type of security you need, or if you have very firm ideas about your requirements, you can speak to MITIE. In addition to a wide range of security services, MITIE provides a full range of electronic security solutions that include CCTV, Access Control, Intruder Alarm, Perimeter Protection and Integrated Systems.

mitiesecurity.co.uk

