

EV VIEW

Case Study

New Cross Hospital, Wolverhampton

Proposing a unique solution to overcome a complex security problem at New Cross Hospital in Wolverhampton, Evolution (Electronic Security Systems) Ltd., have won the contract to supply and install a combination of CCTV digital recording and transmission products over the hospital's wide area network (WAN).

New Cross Hospital is not unusual in its requirements for security. Monitoring a large campus where unlimited access is always available to staff and public alike brings its modern day problems. Car parks are always vulnerable to petty crime and car break-ins. Common areas and corridors in the buildings also have to be monitored, particularly in the Maternity and Accident and Emergency areas.

Since the closing of the Royal Hospital in 1997 in the centre of Wolverhampton, the New Cross Hospital, part of the Royal Wolverhampton Hospitals

NHS Trust, has gained in stature in the local area and serves a population of 300,000. Its 20 departments provide round-the-clock coverage and currently, the hospital boasts 834 beds.

Further growth will come from a major £44m investment in a state-of-the-art cardiac centre that will be opened in 2005 with a planned staff of 600 and 169 beds and four theatres. It represents the biggest ever single investment in heart surgery and the first centre to be purpose-built for cardiac surgery, thoracic surgery and secondary cardiology in the country.

Another development, although on a smaller scale that is currently being developed is a new Day Procedures Unit with combined Endoscopy Suite facility.

Having a security solution to continuously monitor the existing and future facilities at New Cross Hospital was the problem that Evolution were presented with. How could seven different areas of the hospital record and monitor their own departments, but also be managed by a central location and control desk which needs to be relocated sometime in the future?

The proposed system had to communicate near real-time video over the existing 1Gb WAN to enable tracking of suspects on site. Images provided from the digital recorders at one image per second were considered too slow (potential image latency from movement of a joystick to the image appearing on the screen) and so a secondary link was provided to allow real-time



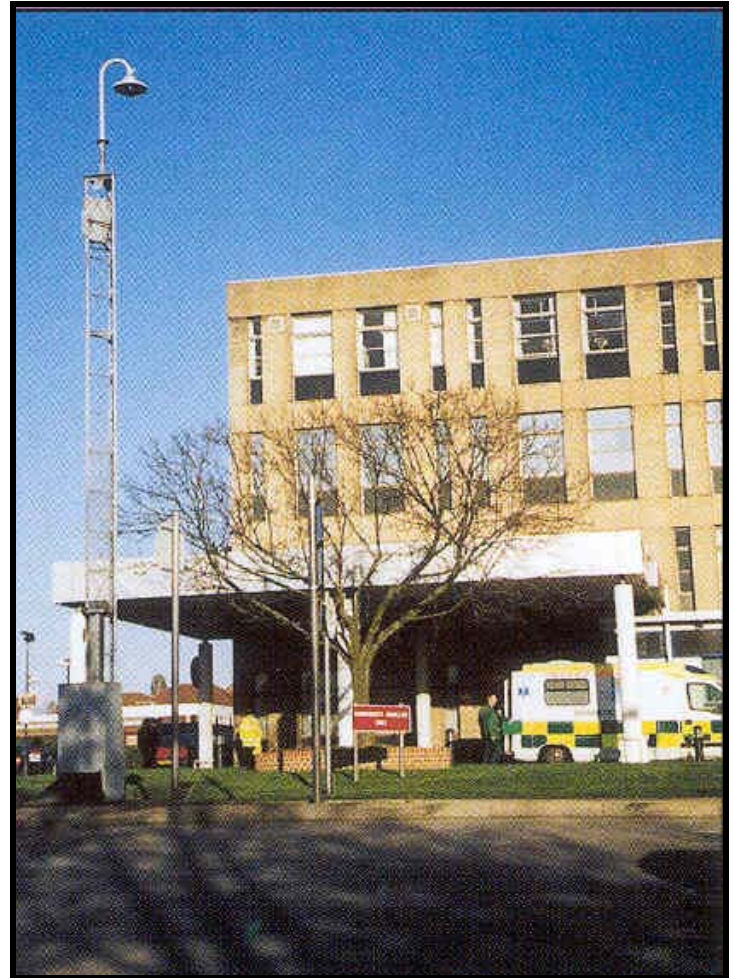
telemetry control & video over the same WAN.

Exterior fully functional dome cameras and fixed cameras in several departments and wards provide the images that will be recorded on seven 32 channel Multiscope digital recorders located at various gathering locations around the site and viewed on a video wall of 12 PC monitors in a central location. Recorded images will also be reviewed in this location. Real time monitoring is segregated from the digital recording function as this has the benefit that security personnel do not need to have PC experience to operate the system and track people.

The digital solution and Ethernet transmission ensures that the security installation is affordable. VHS tape recorders, tapes and continual tape changing and maintenance are no longer the order of the day. Digital recording lasts up to 28 days before automatic erasure, which is a requirement of the Data Protection Act. Current users of tape do not have this automatic erasure facility.

The resulting combination of Geutebrück Multiscope II, BBV Telemetry Control and IndigoVision Videobridge transmission equipment provides the answer without the need to install new cables and at a competitive cost.

Evolution designed and installed the solution as a result of the particular requirement of New Cross Hospital. The unique solution to the security issues faced by the hospital has meant that they have been provided with one of the first installation of its type in the country, but also has built-in capacity to expand as the hospital continues to add new departments.



Evolution is one of the largest European independent security systems integrators and from its base in the UK, Evolution have installed systems in nearly all European countries.

Further information on Evolution's products and services can be found at www.evolutionsecurity.com or contact Evolution on the numbers published below.



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