SIEMENS

Siemens delivers vast CCTV system for Network Rail

Siemens has installed one of the UK's largest surveillance networks, covering thousands of miles, for Network Rail. In a programme worth £17 million, Network Rail's managed stations in London and across the UK are covered by over 4,000 CCTV cameras, monitored from one central point.

The scheme encompasses station security at all Network Rail's 10 managed stations across London and all their regional mainline stations. The first phase involved the upgrade, installation and integration of 2,500 cameras onto a new digital recording system, giving Network Rail and British Transport Police the ability to control any CCTV camera from any station across the capital.

The second phase further demonstrates Network Rail's commitment to provide a safe environment for passengers while enabling British Transport Police to detect, track and record criminal activity across the rest of the UK. Birmingham New Street, Liverpool Lime Street, Leeds, Manchester Piccadilly, Glasgow Central, Edinburgh Waverley and Gatwick Airport have all undergone a massive CCTV refurbishment programme, including the installation of new cameras and

a complete overhaul of the technical infrastructure.

The mammoth task involved the replacement of a fibre optic infrastructure and the installation of over 1,400 CCTV cameras, as well as mass digital recording systems, network creativity and GUI systems, plus the replacement of all control equipment and provision of the facility to enable remote monitoring by the British Transport Police.

The result is one the most advanced CCTV systems of its type currently operating in the UK railway industry, bringing a virtually seamless network in which a single person can be tracked from any platform, on any managed station, through that station concourse.

Dave Pickles, business unit head for UK Fire Safety and Security within the Siemens Building Technologies Division, commented: "Network Rail recognises the security threat to its London stations and across its network to regional mainline stations and has upgraded its security systems accordingly. With our assistance Network Rail has one of the most sophisticated security systems to date, paralleled only by those at airports."

www.siemens.co.uk/buildingtechnologies

All station cameras are cabled to local equipment rooms at each station via a series of fibre optic nodes, which are sited around the stations gathering images from cameras within a 50-metre radius of each other. Each station then has a local recording facility where information can be viewed live or after the event with no interruption to recording. Stations also have the ability to view live video from any other networked station, as do the British Transport Police from their facilities locally and in London.

Innovative technology enables interactive maps of a station to be produced; this unique feature automatically finds all cameras which view a particular section of the station as chosen by an operator.

Keeping security on track

As a specialist supplier of safety and security services, customer information systems and critical communications, Siemens can provide you with the latest equipment and technologies to create a safe environment and enhance the efficiency of the rail network. We have been providing integrated security, networks and passenger information systems for the rail industry for more than 20 years. As a result, we fully understand the complexities of day to day operations within the rail environment.

We offer a complete service, including expert consultancy from our experienced rail team and full system design, engineering, installation, training, maintenance and emergency call out from a dedicated team of commissioning and service engineers.

We work closely with transport owners, train operating companies, underground operators, passenger transport executives, freight and logistic operators and British Transport Police.

Highlights

- Over 4,000 CCTV cameras covering thousands of miles, monitored from one central point
- Installation of new cameras and a complete overhaul of the technical infrastructure
- A virtually seamless network in which a single person can be tracked from any platform, on any managed station, through that station concourse
- Stations also have the ability to view live video from any other networked station
- Unique interactive map feature automatically finds all cameras which view a particular section of the station as chosen by an operator

www.siemens.co.uk/buildingtechnologies