

CLOSED CIRCUIT TELEVISION SYSTEM DESIGN SPECIALISTS

PROJECT DETAILS

Client
Network Rail

Developer
Hines UK

Main Contractor
McGees & Laing O'Rourke

Architect & Designers
Foggo Associates

Consultants
Foggo Associates

Contract Start
March 2010.

Completion Date
May 2010

CANNON STREET STATION CCTV DESIGN PROJECT

The redevelopment of Cannon Street station in the heart of the City of London is underway with the start of demolition of the existing office buildings at 78 Cannon Street Hines UK, working in partnership with Network Rail and funded by HSH Nordbank, is set to create a new 410,000 sq ft (38,089 sq m) Grade A office space above Cannon Street station.

At the same time, the station itself will be vastly improved for the 27 million passengers passing through each year. Hines UK has re-planned the internal public areas of the station and the London Underground ticket hall, with the aim of maximising passenger flow and improving lines of sight to create a safer, more efficient, and more pleasant experience. This includes 17,000 sq ft of new retail and leisure units which will be created below the office space at street and basement levels.

The redevelopment will create new state-of-the-art offices and retail space in the heart of the financial district, and fund significant improvements to the rail and underground stations, one of London's busiest transport interchanges

Commuter mainline and underground services will be maintained throughout the development process, ahead of anticipated completion in 2011.

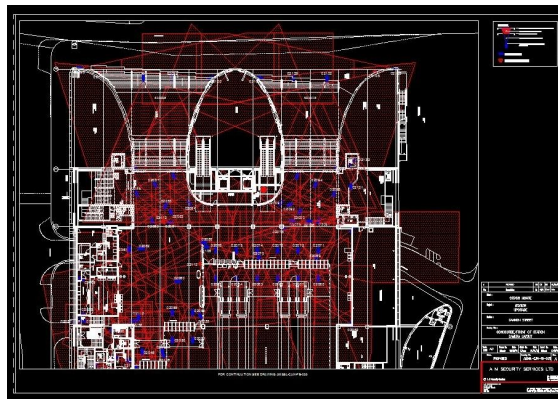
The Fundamental Principles for the CCTV Camera Coverage of Cannon Street Station

- To deter and prevent crime/terrorist activity
- To detect crime/terrorist activity
- To assist the emergency services
- To investigate crime/terrorist activity
- To investigate accidents and incidents
- To support prosecutions
- To reassure and give confidence to the public and staff
- To meet statutory requirements, including those for subsurface stations

And for operational purposes including:

- Monitoring and management of passenger flows, crowd control
- Aiding decisions on train movements particularly following disruption
- Including contingency management following terrorist activity

Cannon Street Station: Concourse layout CAD drawing showing CCTV camera views and design



Through out the survey and design process these five 'levels of detail' were considered in the operational, safety and security needs of the client:

- Monitor a large area
- Detect individuals approaching a building
- Observe the actions of a group
- Recognise known individuals at an entrance
- Obtain images that would enable you (or the police) to identify an unfamiliar individual

The five general observation categories

Monitor and Control

Detect

Observe

Recognise

Identify



London Cannon Street

Cannon Street Station is in the financial district of London. The original station was opened by the original South Eastern Railway on 1st September 1866.

Train services run directly to the station from suburban South East London, Kent and East Sussex.

Project Remit

Design a fully integrated CCTV Camera system to current Network Rail Specifications and standards, ensuring necessary camera fields of view and station coverage meets TRANSEC mandated specifications, following HOSDB Guidelines and British Transport Police, Network Rail and South Eastern Trains operational requirements.

To highlight the necessary actions and controls that is necessary to enable Cannon Street Station to operate safely and efficiently.

To ensure that station areas are monitored to the required levels.

Adhering to Data Protection, HOSDB and ICO requirements and guidelines,

Produce a fully detailed specialist design, to be coordinated with adjacent services and with the building fabric.

Producing a Form B Design submission and procuring the necessary Network Rail approval,

Drawings produced using AutoCAD 2008 compatible software.

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