



LB Foster[®]

CUSTOMER

SES Engineering

SECTOR

Rail

Edinburgh Gateway

CCTV, LLPA, PHP,
CIS, IDA, SCS and
LAN/WAN systems



“The L.B. Foster team became an important and integral part of the overall delivery, always going the extra mile when required.”

City of Edinburgh Council

Edinburgh Gateway is located nine kilometres to the west of Edinburgh and 4.8km from Edinburgh International Airport. It is part of the Edinburgh to Glasgow Improvement Programme (EGIP), a major Scottish transport project involving infrastructure improvements and the electrification of most railway lines between Glasgow and Edinburgh.

Edinburgh Gateway is a new interchange hub proving joined up transfers from the ScotRail network directly onto Edinburgh Trams for travel to Edinburgh Airport. The station comprises two 265-metre platforms that can accommodate 10-coach trains and a 1,500 square-metre floor area.

The unitary authority overseeing the project is the City of Edinburgh Council (CEC). Balfour Beatty led the overarching contract to build the new Edinburgh Gateway station. Design of the project was undertaken by built environment consultants WSP, working with IDP Architects. L.B. Foster Telecoms (TEW Plus Ltd) worked with specialist sub-contractor SES Engineering Services on the mechanical and electrical engineering fit-out.

Requirement

The scope of the telecommunications and safety works that we undertook at Edinburgh Gateway included a combination of our integrated telecoms and safety solutions:

- > CCTV
- > LLPA
- > PHP
- > CIS
- > IDA
- > SCS

LAN/WAN systems.

The CIS displays display Next Train Information (NTI), Summary of Arrivals (SoA) and Summary of Departures (SoD) displays.

A Special Notice (SN) on the main concourse is used for engineering information. All of the displays incorporate clocks and timing signals are provided by the Dunfermline clock server utilising SNTP and NTP clients on the station servers.

The transmission of CIS information from the Dunfermline CSC to the new station was undertaken over the NR IP-MPLS network.

“This is a flagship infrastructure project for Edinburgh. It’s part of our wider plan to integrate transport across the city and surrounding region. The L.B. Foster team became an important and integral part of the overall delivery, always going the extra mile when required. Their ability to adapt and design solutions to suit contributed greatly to what is a fantastic new facility for the city.”

City of Edinburgh Council



Our solution

L.B. Foster Telecoms (Tew Plus Ltd) installed all station telecommunications systems including new CCTV, LLPA, PHP, CIS, IDA, SCS and LAN/WAN systems. A total of 13 new screens were installed across the new station, including:

- > 1 x LED-SS SNC IP65: Portrait 42" LED special notices display
- > 5 x LED-SS SUM IP65: Portrait 42" LED summary display
- > 4 x LED-DS Platform NTI IP65 : Medium format 3 Line Platform NTI with clock

- > Landscape 19" TFT Display - IP65 rated
- > 3 x 32" T Series Landscape TFT Display

As part of the works, L.B. Foster Telecoms (TEW Plus Ltd) was also responsible for liaising with ATOS Origin to modify the existing CIS control and GUI at Dunfermline CSC to integrate the new CIS for Edinburgh Gateway station.



What they said

"What we look for in any project is expert advice and guidance. The team at L.B. Foster Telecoms delivered on all counts, offering experience and expertise that meant the final installed solution achieved exactly what was needed."

Project Manager
SES Engineering

"What shone through was the team's inherent understanding of the challenges we face in the rail sector and the ability to identify great solutions."