



**LBFoster**<sup>®</sup>

**CUSTOMER**

Dyer and Butler / DLR

**SECTOR**

Rail

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## **DLR Custom House Station Upgrades**

Station  
Information &  
Surveillance  
Systems



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Due to station upgrade works at Custom House station, additional vertical capacity was identified to enable the predicted increase in passenger flow through the station, which includes the construction of a full mezzanine floor over the existing platforms, with the addition of two new staircases connecting the DLR station to the Excel Centre and the Cross-rail Station.

The original telecom contractor for the works was proven to be incompetent and their contract was terminated two weeks before the station scheduled opening time. LB Foster was invited as a competent contractor to complete the Telecom temporary works as per the approved design to enable the station opening on time.

## Requirement

L.B. Foster Telecoms was contracted by Dyer and Butler to investigate what was completed on site from the previous telecom contractor and complete the install and commission of the Temporary integrated Station Information and Surveillance Systems (SISS) at Custom House Station stations, incorporating:

- > Public Address (PA)
- > CCTV

Our integrated solution included a PA system covering all public areas of the stations, in compliance with DLR standards, inclusive of

control equipment, audio routers, amplifiers, speakers, microphones, microphone receivers, ambient noise sensors and associated cabling. We also re-enabled and commissioned a CCTV system as per the approved design at custom house station to cover all public areas including all cameras, encoders, decoders, network video recorders, storage arrays and associated cabling.

L.B. Foster Telecoms worked side by side with the maintainer to enable the interface for the CCTV and PA systems back to Beckton and Poplar control centres.

## Specification

- > Tecton CCTV system with local recording and viewing facility, Axis Cameras, as well as a long line viewing facility Poplar and Beckton control centres
- > ASL IPAM PA system configured with a local longline microphone and long line Digital Voice Announcement (DVA) messaging facility
- > Installation of all communication cables Co-axial
- > Installation of all LV electrical cables

## Our Solution

We worked closely with Dyer and Butler and DLR, drawing on our extensive experience of working on similar schemes in the rail sector to install, commission and handover a fully compatible SISS at each station.

We surveyed the works completed from the previous contractor, set up a plan forward to complete the installation and commissioning of the telecom works in a period of 10 working days only to enable the station

opening on time. We reviewed the design and created an inspection and testing plan as per the design requirements. We made sure to complete the all testing and handover all the paperwork required on time for station opening.

The client was impressed by the works delivered and we were awarded the upgrade works for the main works as a result.

## What they said

“You did a brilliant job in delivering the temporary works package. We believe in your team and we would be happy to carry on working with you on the main package.”

**Mark Hinde**  
Contracts Manager  
Dyer and Butler





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