

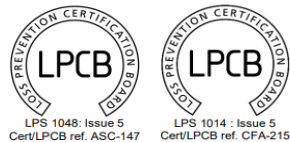
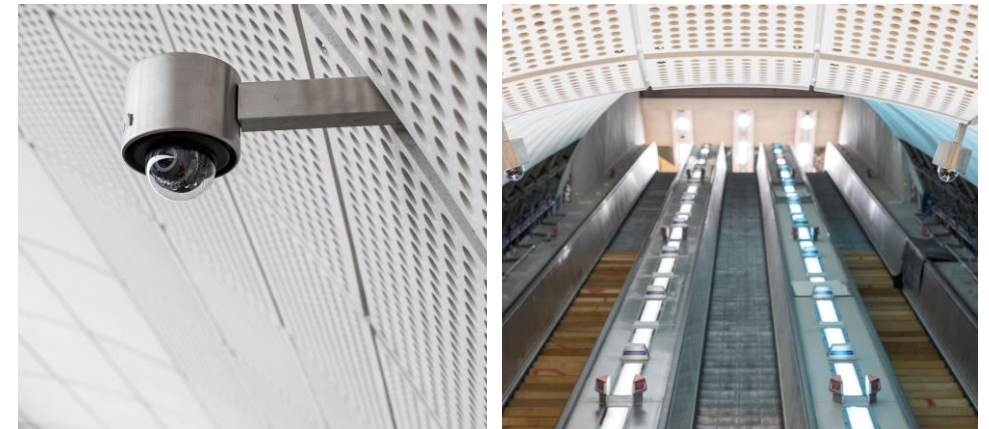
# Telecoms Capability

# Delivery of a Positive Safety Culture

**A Plant** that is well designed, operated and maintained within established safety cases to ensure they operate at a tolerable risk.

**Processes** that are robust and focused on prevention of events, problem identification and resolution.

**People** who are well trained, follow Procedures, demonstrate a questioning attitude, uphold the highest standards and coach each other to improve those standards.



# Our Customers



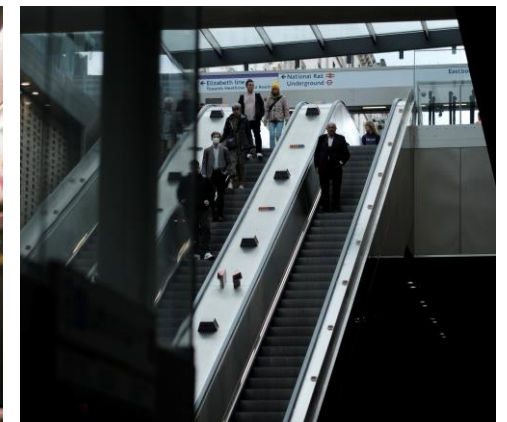
# Our Telecoms Capability

## Crossrail Project

Working on such a large and complex project demanded exceptional planning and logistics coordination, as well as a large pool of skilled and flexible resource on which to draw as required and at different locations across the capital.

### Clients

- Paddington SRW (part of the Skanska Group of companies)
- Bond Street CSJV (Costain Skanska Joint Venture)
- Tottenham Court Road-Laing O'Rourke
- Farringdon -NG Bailey
- Liverpool Street -Laing O'Rourke
- Whitechapel -BBMV (Balfour Beatty, Morgan Sindall, VINCI)
- Custom House -Laing O' Rourke
- Abbey Wood - Balfour Beatty



# Our Telecoms Capability

## Crossrail Project – Continued

### Scope of Works

- Design capability
- Project management
- SISS
- BMS
- PAVA
- CCTV
- Radio systems for staff and emergency services
- Cabling
- Bracketry
- CIS
- DOO
- Help points & Media Screens



# Our Telecoms Capability

## Depot Security and Communications Upgrade

### 14 Depots D&B

Scope of works:

- CCTV
- Digital Recording
- Intruder & Parameter detection
- GUI Controls
- IP Fibre ring
- All civils in relation
- Control Room Fit-out
- All associated Electrical upgrade

## Willesden Track Maintenance Depot and Satellite Sidings

### D&B

Scope of works:

- CCTV
- IP enabled PA with DVA
- Access control/ video intercom
- Telephone & data network
- Fibre optic cable installation
- Commission & testing
- LV cable, asset installations, commissioning and NICEIC inspection and testing
- Construction & fit out of DB Schenker building, inc SOR desk & room

# Our Telecoms Capability

## Crossrail Station Communication Systems

January 15 – Present day | 6No Stations

Scope of works:

- CCTV
- PAVA – EN54-16 Compliant
- PHP
- Telephone Systems
- Master & Slave Clocks
- Station Radio
- Fibre network
- SCADA network
- Hardware
- CIS
- DOO CCTV



# Thank you