



CASE STUDY 1: METRO

Project: Jubilee and Northern Line Upgrade
Project value: £12 million
Client: Tube Lines Ltd.
Main Contractor: Thales Rail Signalling Solutions Ltd.
Dates: August 2007 – ongoing

Background:

As part of London Underground's investment to increase network capacity and reduce journey times, a new, state-of-the-art signalling system is being installed on the Jubilee and Northern Lines.

Thanks to our growing reputation for technical competence and high quality delivery, as demonstrated on similar projects, Kelly I.T.S. secured a contract to work with Thales Rail Signalling Solutions Ltd. to install the new signal system.

Scope of work:

The project requires the installation of the new SelTrac signal system; it includes all signal and electrical equipment used in the Signal Equipment Rooms and on the trackside.

Signal installation services including:

- SER signal wiring
- 7pr and 3pr concentric cables
- 10c, 6c, 4c and 2c multi-core cables
- RG22, C23, C28 and Cat5 cables
- 12c multi-core telecom cable
- Concentric and multi-core cables
- Securing of all cables in cable management system
- Heat shrinking and glanding of cables at cabinet entry points
- Crimping of signalling cables
- Power and earth cable

Electrical services

LV power installation, testing and commissioning including:

- Containment, brackets, low voltage equipment and wiring systems
- Uni-strut and brackets to accommodate the electrical cable management
- Wiring to design of isolation switches, power distribution boards, uninterrupted power supplies, bypass switches and transformers
- Steel Wired Armoured (SWA) and LSF PVC cables
- SEB and associated cabling

Mechanical services

Cable management system installation including:

- vertical and horizontal uni-strut and modular fixings
- High level and low level cable management systems
- Ladder racking within cable management system
- Floor and wall mounted equipment cabinets and relay racks