



## Kelly Integrated Transport Services Ltd

### Strathclyde Driver Only Operated Scheme

Client: Network Rail  
Main Contractor: Thales Security, Solutions and Security  
Dates: September 2008 – July 2009



#### Background:

Thales Security, Solutions and Security were awarded a DOO and CCTV contract for Civils and Electrical Installation works throughout the Strathclyde region of the country. Thales Security, Solutions and Security in turn awarded these works to Kelly I.T.S. following competitive tender.

#### Scope of work:

This project required Kelly I.T.S. to provide turnkey Civils and Electrical services to Thales ; this project was successfully delivered to a tight programme and budget. The services we provided were as follows:

- Supply and installation of new camera and monitor bases within station platforms.
- Supply and Installation of new ducting within station platforms.
- Supply and Installation of new aqua type manholes within station platforms.
- Take delivery of and install new camera structures, housings and cameras within station platforms.
- Take delivery of and install new monitor structures, housings and installation of 3, 4 and 5 monitor banks inclusive of all car stop and SPAD signage.
- De-commissioning and Recovery of all existing systems within station platforms.
- Supply and Installation of cable containment both at height and at ground level.
- Install and terminate power and earthing cabling.
- Supply and install new earth bars.
- Supply and install 158mm<sup>2</sup> bonding cable and bond to existing bonded structures.
- Supply, install and terminate RG59 Cable for CCTV works.
- Supply and installation of new distribution boards within station buildings.
- Termination of power cables within new and existing distribution boards within station buildings.
- Provision of test results for CCTV Works.
- Provision of electrical test results compliant with 17<sup>th</sup> Edition Regulations.

#### Key Success factors and Innovations:

Through negotiation with the client prior to contract award, Kelly I.T.S. persuaded the client to introduce dayshift working within the station platforms on the condition that all staff conducted their individual task behind chapter eight barriers, which were fixed to the platform surface with hilti hammer fixings.

This agreement reduced the risk of cable strikes whilst performing excavation works at night under artificial lights. It also maximised the working day during daylight hours which was very important particularly when reinstating the station platforms with hot rolled tar macadam.

In order to reduce the risk for using hot bitumen sealant and gas burners, Kelly I.T.S. and the client agreed to a design change to incorporate the use of bitumen tar strips to seal the joint between the new and existing tar macadam. This method of working was the first trial to be conducted within any Scotrail station and was deemed a success from both a Commercial and HSQE point of view.

