

Project:

Fire Systems Protocol Upgrade

Client:

Tube Lines Ltd.

Value:

In excess of £10M

Project background:

Being undertaken by Tube Lines Ltd, the Fire Systems Protocol Upgrade (FSPU) was one of a series of projects associated with the Station Modernisation and Enhancement Projects on the London Underground's Jubilee, Northern and Piccadilly lines. Though the FSPU was considered one aspect of station modernisation, the work was split into a series of smaller, more manageable projects which were undertaken in parallel by different contractors.

The need for a FSPU at LU stations was the result of existing systems no longer being in production, and spares no longer being available.

The overall scope of the project was to carry out the FSPU upgrade at stations on the Jubilee, Northern and Piccadilly lines. The works involved the following:

- replacement of HRE sprinklers with Hotchiki ESP Protocol devices
- testing of cables/replacement where required,
- replacement of control panels
- replacement of the linear detection system with a fibre optic system
- conversion of pre action sprinkler to wet sprinkler
- rationalisation of detectors
- removal of absolute control system after risk mitigation to unprotected areas
- re-certification of the systems in accordance with LPC design guide requirements

initiate's role:

To put some order into the project, initiate were appointed to create management systems which would aid the smooth running of the project.

**Deliverables:**

As part of initiate's role, our team created the following:

- A Project Execution Plan establishing Project Organisation Structure with roles and responsibilities for each of the members and procurement and post contract project processes
- A Pre-Tender Health, Safety and Environment Plan setting out policy, roles and responsibilities (including those of Client CDM Advisor, Planning Supervisor, HSQE Advisor, Designer and Main Contractor)
- A Project Assurance Plan with scope & strategy, assurance arrangements, a submissions schedule and requirements

Outcome:

A coherent set of management systems which contributed to successful project delivery.