



CLIENT – TfL

PROJECT VALUE –
<£1M

DATE – 2016



PROMGRAMME DESCRIPTION:

The LV systems within the offices of TfL at 172 Buckingham Road were identified as potentially requiring an upgrade to fully comply with modern electrical wiring regulations and to provide the office workers with the functionality that they needed. We were engaged to provide survey, design and ultimately installation services to achieve the required upgrade to the systems.

PROJECT DESCRIPTION (SURVEY):

Due to funding constraints, TfL initially only engaged Poise Group (as Powersys Ltd) to survey the existing condition of the LV power system within their offices at 172 Buckingham Palace Road and provide recommendations for improvements.

Poise undertook the survey of the existing LV electrical systems, working within the live office environment without disturbing any of the normal working operations.

The surveys captured the poor condition of the existing system and provided as full updated and validation of the existing system drawings. Surveys were conducted at night to allow full access to service voids in and around the operational office environment. Additionally, daytime surveys were required to established with the end-users any shortfalls in the current systems as installed.

An option report was produced and presented to TfL engineers detailed the inadequacies of the systems and provided recommendations to bring the LV system to a safe and suitable level of functionality.

PROJECT DESCRIPTION (DETAILED DESIGN):

Following completion of the option selection report, Poise were further engaged by TfL to produce a fully detailed design of an upgrade to existing system. This included the production of a full suite of drawings, calculations and specification of approval and issue to installation contractors for competitive tender. In some areas

the new design required a three-fold increase in the number of sockets available to the end-users.

Included within the package was a procedure to achieve a seamless changeover from the current LV system to the new system minimising any break in the normal operations of the offices.

The detailed design was presented for approval to the Client ahead of installation Contractor selection.

PROJECT DESCRIPTION (INSTALLATION):

Following approval of the detailed design Poise were asked to participate in a competitive tender process that resulted in Poise being appointed as both Principal Contractor and Principal Designer for the installation of the new upgrade.

To ensure no inconvenience to the office workers, the installation was undertaken during the night shifts with all working areas being protected during shift and then cleaned and cleared at the end of each shift to allow the end-users to continue to work normally. Special arrangements were made to accommodate shift workers and security controlled areas that required supervised attendance.

As a full IT shutdown required during the changeover from old to new systems, works progressed with the changeover identified as a critical programme milestone. A comprehensive risk assessment of the changeover procedure was undertaken including an hour-by-hour activity breakdown and risk mitigation measures to be implemented to reduce the potential impact of any identified risks.

As a result of this focus prior to the event, the changeover was achieved without incident and ahead of schedule.

The client praised the Poise Team in the quality of the completed works and complimented us for the completing the project on schedule.