

Effingham Street

Project Outline

The works at Effingham Street required the current Electrical, Instrumentation and Telemetry System to be replaced with a more sufficient system.

Project Delivery & Innovations

For the electrical design, a new E&I Kiosk was built to house a new insulated Main Isolator (un-fused) & RCD and a new 1:1 isolation transformer.

The design requirements consisted of installing new 1:1 15kVA isolation transformer creating a dedicated site TN-S system on the secondary side for the remaining site distribution.



A new electrical distribution board DB1 was installed to supply the new telemetry control equipment, monogol skids, existing cathodic protection unit and new lighting, small power and former holder booster house. A new generator incoming appliance enclosure and site external light switch with stand were also installed.

For the instrument and telemetry, the design requirements consist of replacing the existing RTU with a new Telemetry Panel consisting of an up to date RTU and HMI, Pepperl & Fuchs LB Barrier Board c/w Barriers and Terminals etc.

A new 24V D.C. Power Supply Unit VXI Oracle III 560W c/w Batteries will also be installed. This new Power Supply Unit Panel will provide 24V D.C. supplies to the new Telemetry Pan

Also undertaken was the replacement of existing transmitters (temperature and pressure), permanent removal of existing pressure switches and pressure transmitters which are no longer required, and replacement of instrument cables, impulse pipework and secondary isolation valves where applicable.

