



UNITED UTILITIES



PROJECT DETAILS

CLIENT: United Utilities

LOCATION: UU WTW Sites, Manchester, UK

VALUE: £600k - £750k

DURATION: 12 months

PROJECTS: Water Treatment Works Site Upgrade

Technica carried out the detail design services for several water and waste water treatment site upgrades.

The designs were based on client provided P&ID's, electrical drive and instrument schedules. The scopes covered the interface of instrumentation, actuated valves, pumps, telephone system, intruder system, fire/gas systems and telemetry to the associated MCCs and ICA panels.

The electrical design and engineering also involved extensive HV electrical redesign.

SERVICES TECHNICA PROVIDED ON THESE PROJECTS :

- > Electrical Design
 - Liaison with REC regarding switchboard replacement.
 - Cable calculations, discrimination studies, lighting and earthing.
 - Telephone system design.
 - Intruder and fire alarm system designs.
- > Instrument Design – data sheets and loop diagrams
- > Instrumentation and Electrical Field Equipment Installation
- > Electrical Distribution, Lighting and Small Power
- > Cabling BS5467 and BS5308
- > Cable Management, Heacy Duty Ladder and Tray
- > Electrical Testing and Certification
- > Instrument Loop/Point to Point Checks
- > Project Handover Documentation

