



HV Cable Installation

Installation & Commissioning





Replacement of Damaged HV Cable

Thames Water Utilities, ITX003 Transformer, Mogden STW

Client: Thames Water Utilities

Location: ITX003 Transformer, Mogden STW, Isleworth

Project: Replacement of Damaged Cable

Scope of Works

- Installation & Commissioning of temporary HV cables
- Installation of new permanent HV cable
- Installation of new containment
- Commissioning of new HV cable



The Task

Power Testing Ltd were asked to attend site due to a cable fault on the secondary side of a critical transformer. This left a major part of the site on single circuit risk.

As a temporary measure, Power testing Ltd efficiently installed a temporary feed on the secondary side of the transformer, to allow the site to have the expected resilience, whilst a new cable installation was designed.

New cables were to be installed, using a different cable route to prevent the same cable fault occurring in the future. New containment was installed and existing containment was used. A cable pulling specialist was used to pull the cables into place efficiently and neatly.

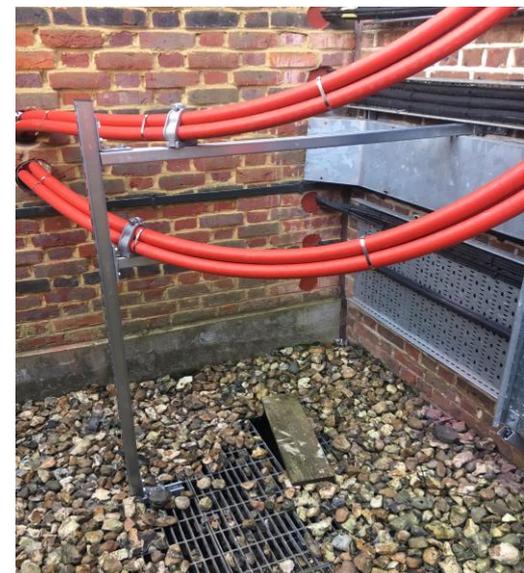
Upon completion of the installation, the newly installed cables were tested and commissioned before being energized.



The client was delighted that this critical project was delivered free of risk and the finished works were extremely neat.

Project Achievements

- Worked closely with the client to minimize operational risks & disruption to the site.
- Careful planning and coordination to ensure shutdowns were kept to a minimum.
- Efficient project management involving third parties.
- Successful transfer of supplies from the Damaged Cable to the New HV Cable.
- Identification and mitigation of project risks.
- Safe cable containment, pulling and installation.
- Plant movement / disposal.
- Timescales and deadlines met
- Reacted immediately to ensure a temporary supply was in place whilst the new install plans were put together.



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