

11kV Connection to One St.Peters Square, Manchester

Customer: Carillion



DNO: Electricity Northwest



Location: Manchester, UK

This project was very challenging due to the requirement of stabilizing an HV connection to an already built new development at One St.Peters Square within very short lead times. GEW2 have been asked to step in half way through the project and assist the customer in obtaining a design approval from ENW within 1 week and commencing the works at earliest possibility.

GEW2 managed to swap the required RMU unit with another project which allowed early switchgear installation and hence helping customer to avoid liquidated damages.

The challenges of designing the earthing mat in front of the building was compounded by the complexity of old gas, water and electrical networks.

GEW2 invested a large number of design and project management time liaising with the ENW engineers and Manchester council to ensure required road closures and required connections were achieved.

GEW²



Carillion,
One St.Peters

Scope:

- 11kv design to ENW specification
- Supply, delivery and installation of 11kV Switchgear equipment
- Management of the ENW intake switchgear room fit out and cable entry construction
- Supply and installation of 11kv cable from the substation to ENW connection point
- Internal and external earthing within ENW intake substation
- Cable terminations and cable testing
- DNO liaison and connection coordination
- Project management
- Health and Safety intervention

Substation



Earthing mat location



Subterranean cable enclosures



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