

Project Statistics

Project: Claredown

Location: Essex

DNO: UKPN



Voltage: 33kV

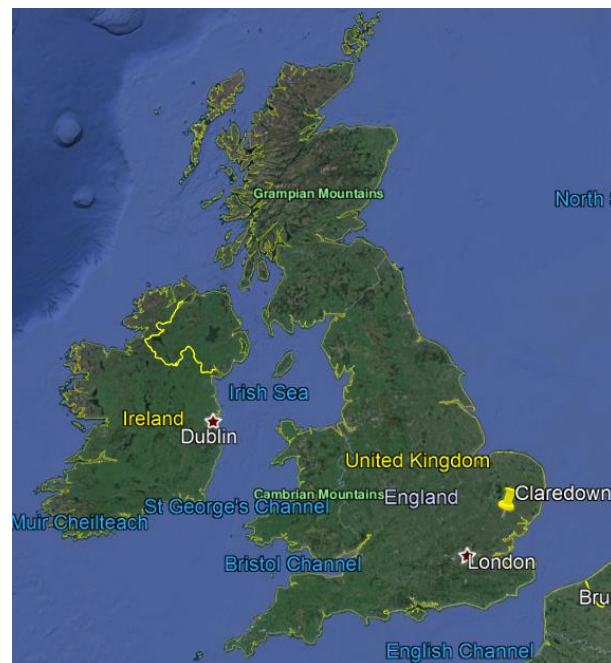
Works Awarded: Contestable Works, BOP

Completed: March 2018



SCOPE OF WORKS – CONTESTABLE WORKS

- Electrical, Civil & Structural Design for the Contestable Works & Substation including foundation.
- Project Management for the duration of the works.
- Earthing Survey & Design
- Supply & Install 1 x DNO approved switchboard to include 33kV metering circuit breaker.
- Supply & Install 1 x DNO approved Protection System for the 33kV switchgear;
- Supply & Install Battery & Charger to DNO specification.
- Supply & Install all multicore cabling within the DNO substation
- Supply & Install a DNO Container Substation including Foundation, plus all Auxiliary Wiring, Heating, Lighting, Raised Handrails and Steps & Small Power
- Supply & Install 33kV Cabling including trench works and reinstatement
- Supply & Install pilot cable including terminations.
- Supply & Install all HV cable Joints and terminations
- Supply & Install a standard Earthing Solution for the DNO substation.



SCOPE OF WORKS – BALANCE OF PLANT

- Detailed Electrical & Civil design works to include substation, compound, cable and drainage plans
- Earthing study and report, plus all site specific system studies and Geotechnical surveys and reports
- Supply and install of drainage and inspection chambers
- Supply and install of internal and external access roads
- Supply and install of security fencing
- Supply and install of the below ground Earthing
- Supply and install of all concrete foundations for the Battery Containers, Substations, Transformers and lighting and CCTV columns
- Off-load and delivery of the 16 battery containers
- Supply & Install 40ft Steel Containerised Substation to include; 33kV Switchboard, Battery & Charger, Metering Panel, Transformer, LVAC board and small lighting, heating and power, Internal Earth bar & earthing systems within the container.
- Supply and install 33kV cable plus terminations
- Supply and install LV and multicore cabling, including terminations
- Supply and install above ground Earthing systems to the above equipment
- As Principal Contractor, g2 Energy provided the on-site Welfare Units

