

66kV Connection to Witches Solar Park

Customer: Smart Energy Solutions Ltd.

DNO: Western Power Distribution

Location Hoarwithy, Herefordshire, UK

This project included a full design of a 66kv AIS substation solution to WPD specifications.

Despite difficult weather conditions during the build we have constructed the 66kv yard in a safe and efficient manner, continuing our high performance of zero harm. The 66kv yard build program was accomplished in 8 weeks including the delivery, installation, wiring and testing of all the equipment including protection scheme. From order to hand over GEW 2 Ltd built the entire solution less than 9 months. The solution also required us to provide an 11kv-metered version to enable a quicker hand over to the DNO, which we accomplished and preserved the customers higher feed in tariff.

GEW²



Siemens 66kV Breaker

66kV Disconnectors and Cable Sealing Ends



66kV Protection Panel



Scope:

- 66kv design to WPD specification
- Supply, delivery and installation of 66kV Switchgear, Metering transformers, structures, Busbar installation, protection and auxiliary equipment
- Management of the WPD intake switchgear room construction
- 450m 66kv Cable pull from the substation to UKPN OHL connection point
- 66kv Cable terminations onto the cable sealing ends
- Internal earthing within WPD intake substation
- Cable jointing, cable terminations and cable testing
- DNO liaison and connection coordination – including approval of the Siemens solutions with WPD
- Project management
- Health and Safety intervention

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