

10MW Generation Site at Panty Moch Solar Farm

Customer: Canadian Solar 

DNO: WPD

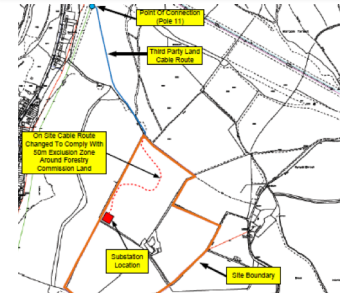


Location: Pant Y Moch Solar Farm, South Wales, SA13 2UT

The Panty Moch scheme consisted of the installation of a new WPD 33kV substation within a 10MW solar generation site. GEW2 succeeded to use a new concept incorporating WPD and Canadian Solar G59 equipment in a combined containerized substation. This scheme also marked the first time that a WS switchgear was installed within a WPD 33kV container in the UK.

GEW2 faced some issues in regards to the container specifications while using the new concept. GEW2 worked to gain approval of the new design and succeeded in doing so. Panty Moch also resided on Welsh Forestry boundaries which required careful negotiations with all parties. Although having to work in harshest of weather and land conditions, GEW2 delivered the connection this on time.

GEW² 



Panty Moch Cable Route

Scope:

- Design and installation of a 3 panel, 33kV Substation containing a WPD breaker and 2 disconnector panels placed within a combined substation container
- Design and construction of the substation sub-plinth
- Design, supply and Installation of the substation pre cast plinth
- HV Jointing
- Above ground substation earthing, and below ground earthing mats
- Telecontrol and protection wiring between the customer marshalling cubicle and the WPD switchgear
- Supply of the 33kV containers dehumidifier and auxiliary equipment
- 1200m Cable route within agricultural land

WPD 3 Panel 33kV Substation



Installation on the WPD Substation

