

33 KV Connection to Pencoose PV

Customer: Ralos New Energy UK Ltd. 

DNO: Western Power Distribution
Location: Stithians, Cornwall, UK



The Pencoose connection project has been appointed to GEW2 at the same time as Newton Ferrer PV and required the connection by March 15th 2015. GEW2 managed to allocate the required resources to provide sufficient crews for both sites in order to not jeopardize the connection dates.

The working area around the Pencoose cable route was within a confined public highway area of Cornwall which presented challenges during both excavations, road closures, and especially directional drilling locations. GEW2 had to submit permits for water ways crossing VIA directional drilling method.

GEW² 



Scope:

- Excavation in rock along 1km route
- Supply and installation of ducting and marker tape
- Section 50 application and permit
- Coordination with the local council to close 1 road section
- Liaison with 3 separate land owners and their solicitors to gain access to all working areas
- Works notification letters and PR
- Completion of 3 directional drilling sections (2 of which were not planned due to unavailability of geotechnical reports at the planning stage)
- Supply and installation of WPD HV cable
- HV cable termination into the WPD substation
- HV jointing
- Final substation testing and commissioning hand over package for WPD
- Submission of a feasibility report to one of the land owners

WPD OHL Connection



33 kV Switchgear Panel



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