



Correll
GROUP

**TURNKEY
SOLUTION**

CASE STUDY

Saint Nazaire Offshore Wind Farm Cable Pull, Termination and Testing

PROJECT OVERVIEW

The Correll Group were delighted to be awarded a contract from Prysmian Group to provide the cable pull-in and testing and terminations of export and inter array cables to the WTG/OSS termination point on the Saint Nazaire offshore wind farm project.

Saint Nazaire comprises 80 WTG's of 6 MG each and 1 Offshore Substations providing a total capacity of up to 480 MW.

This project will be completed utilising Correll's cable pull-in and termination & testing team under our new bespoke turnkey solution.

SCOPE OF WORKS

Cable Installation Division (CIPS)

- Pre-project meetings
- Creations of RAMS
- Post Lay Testing (continuity, insulation resistance, Time Domain Reflectometry and Optical Time Domain Reflectometry)

On the offshore assets:

- Cable pull of 2 x export cables.
- Stripping the export cables to expose the HV cores and FO cable
- Complete the permanent hang-off
- Route the HV and FO cable into GIS and Fibre Enclosure
- Cleat the HV cores from the hang-off to the GIS
- Terminate and splice the FO cable into the cabinet
- Terminate three power cores into the GIS
- Complete post installation testing from the onshore substation to the offshore assets (IR, TDR & OTDR)

- Deliver an Inspection and Test Plan for the installed and tested system, forming part of key payment milestone.

Electrical Engineering Division (CEE)

- Planning assistance & coordination of the works
- Arranging accommodation for the termination & test teams
- De-armouring of the inter array cable which includes removing outer yarns / outer sheath, armouring, fillers and untwist power cores and FO cable
- Installation of the permanent hang-off (from temporary to permanent) of the inter array cables
- Install and connect the earthing cable from hang-off towards the earthing point
- Routing and fixation of the HV power cores, FO cables and earth cables on the cable ladders of the OSS / TP / WTG
- Installation/termination of all required accessories for the completion of the FO Cable. Splice box. Splicing, installation of pigtailed and earthing of the tube included
- Supply of tools, test equipment, consumables, and PPE to perform the termination & test works inside the OSS / TP / WTG
- Removal of the cable support frame and debris
- Installation of the surge arrestors at the cable bays of the 33kV switchgear on the OSS
- IAC & OSS HV & FO Cables – perform 'Site Acceptance Testing Pre-Termination'
- IAC & OSS HV & FO Cables – perform 'Site Acceptance Testing Post-Termination'.

www.correllservices.com

FURTHER INFORMATION

www.correllservices.com/projects or contact: enquiries@correllservices.com