



Customer: Prysmian Group

Activity: Cable Pull / T&T

Year: 2022/23



**Correll
GROUP**

**TURNKEY
SOLUTION**

CASE STUDY

Fécamp Offshore Wind Farm Cable Pull, Termination and Testing

PROJECT OVERVIEW

The Correll Group was awarded a contract from Prysmian Group to provide the pull-in of two 225 kV HVAC export cables (each about 17.5 km in length), to the offshore substation platform for the Fécamp offshore wind farm. Scope of works also includes the termination and testing of 71 33kV array cables and two offshore substation inter-connector cables.

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.

Electrical Engineering Division (CEE)

- Pre-project meetings
- Monthly meetings
- Site visits
- Mock-up Trials
- Creations of RAMS
- Project HIRA meetings
- Pre Project training
- Mobilisation of PPE, Cable pulling equipment, tools & test equipment via 20ft containers.
- Pre & Post Lay Testing (continuity, insulation resistance, Time Domain Reflectometry and Optical Time Domain Reflectometry).
- VLF testing

On the offshore assets:

- Tower mobilisation and preparation
- Cable Pull-in's
- Stripping the array cables to expose HV cores and fibre optical cable
- Complete the permanent hang-off
- Route the HV and FO cables into the GBS
- Route the HV and FO cable into the OSS
- Cleat the HV cores from the hang off to the Connex Joints on both WTG's / OSS
- Apply fire retardant heat shrink to the HV cores from the hang off to the Connex Joints on the OSS
- Terminate and splice the FO cable into the termination box
- Terminate Pfisterer size 4 power cores into the Connex Joints
- Complete post installation testing on the WTG asset (VLF / PD & TD, OTDR)
- Deliver all "As Built" documentation.

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FURTHER INFORMATION

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