



Correll
GROUP

Electrical
Engineering

CASE STUDY

Krigers Flak Offshore Wind Farm Termination and Testing - 72 inter-array subsea cables

PROJECT OVERVIEW

Global Offshore approached Correll for support with the HV and FO services associated with the Krigers Flak 33kV aluminium core inter-array cable (IAC) installation.

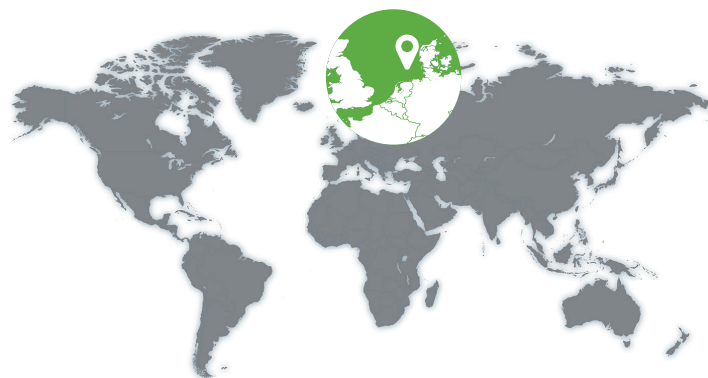
In addition to working on the IAC's between the WTG's, Correll also carried out jointing modification works on two offshore substations.

SCOPE OF WORKS

- Pre-project meetings
- Site visits
- Mock-up trials
- Creations of RAMS
- Project HIRA meetings
- Post Lay Testing (continuity, insulation resistance, Time Domain Reflectometry and Optical Time Domain Reflectometry).

On the offshore assets:

- Tower mobilisation and preparation
- Stripping the export cable to expose HV cores and fibre optical cable
- Stripping the array cables to expose HV cores and fibre optical cable
- Complete the permanent hang-off
- Route the HV and FO cable into the TP/WTGS
- Cleat the HV cores from the hang off to the GIS
- Terminate and splice the FO cable into the cabinet
- Terminate power cores into the GIS
- Complete post installation testing from the offshore substation to the WTG asset (VLF, IR, TDR & OTDR)
- Deliver an Inspection and Test Plan of the installed and tested system, forming part of key payment milestone.



Client: Global Offshore

Location: Southern Baltic Sea

Year: 2019

ABOUT HORNSEA 2

Krigers Flak offshore wind farm is located 15km east of the Danish Coast in the Southern part of the Baltic Sea, spread over an area of 179km² in water depths between 16m and 25m.

Denmark's largest offshore wind farm, Krigers Flak comprises 72 turbines of 8.4MW with an installed capacity of 605MW.

When fully operational, the wind farm has the capacity to supply over 600,000 Danish homes with green energy - equivalent to 23% of all households in Denmark.

Sam Dowe, Managing Director said: *"This contract firmly establishes Correll as a leading T&T service provider in the offshore renewable sector. The entire team is passionate about the services we provide, and it is immensely gratifying to know that our efforts have been recognised with this contract award".*

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FURTHER INFORMATION

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