



Correll
GROUP

**TURNKEY
SOLUTION**

CASE STUDY

Vesterhav Nord and Syd Offshore Wind Farms Cable Pull-in 41 IAC and 4 Export Cables

PROJECT OVERVIEW

The Correll Group was contracted by Asso.subsea to deliver the Offshore Pull-ins and Termination and Testing (WTG Cables Pull-in / T&T Operations) of 66kV export and inter-array submarine cables for the Vesterhav Nord and Syd wind farms in Denmark. The two offshore wind farms consist of four export and 41 inter-array cables, for a total of more than 70 kilometres.

SCOPE OF WORKS

- Pre-project meetings, monthly meeting & site visits
- Mock-up Trials
- Creations of RAMS
- Project HIRA meetings
- Pre-project Training
- Post Lay Testing (continuity, insulation resistance, Time Domain Reflectometry and Optical Time Domain Reflectometry)
- On-shore Resonance Testing
- In-line jointing works connection the offshore wind farms to the onshore OSS

On the offshore assets:

- Cable pull of 41 IAC & 4 x export cables.
- Stripping the export cables to expose the HV cores and FO cable
- Complete the temporary & permanent hang-off's
- Route the HV and FO cable into GIS and Fibre Enclosure on the WTG's
- Cleat the HV cores from the hang-off to the GIS / switch gear panels
- Terminate and splice the FO cable into the cabinet
- 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.

ABOUT VESTERHAV NORD & SYD

Located 9 -10 and 5.5 - 8.4km offshore respectively, Vesterhav Syd and Vesterhav Nord will comprise a total of 41 Siemens Gamesa 8.4 MW turbines with a combined capacity of 344.4 MW.

When fully commissioned, the wind farms are expected to generate 1.57TWh of green power a year, which will be sufficient to meet the energy needs of 380,000 households in Denmark.



FURTHER INFORMATION

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