



Correll
GROUP

Correll Group secures contract with one of the world's largest offshore wind farms

August 2021, Correll Electrical Engineering was selected by Prysmian to take over the Termination & Testing of both 66kV inter-array and OSS cables for the Hornsea Two offshore wind farm.



Correll | Electrical Engineering

Correll | High Voltage (HV) Management

Correll | Cable Installation & Power Services

Correll | Equipment Rental

Correll | Training & Development

**ABOUT
HORNSEA TWO**

Located approximately 89km (55 ml) off the Yorkshire Coast in water depths of between 30m to 40m. Hornsea Two spans an area of 462 sq km (178 sq ml), and will be the world's largest wind farm when fully operational in 2022. The 1.4 GW offshore wind farm is expected to provide clean electricity to more than 1.3 million homes in the UK.

**PROJECT
INFORMATION**

The world's largest offshore wind farm will comprise 165 Siemens Gamesa 8.0-167 DD turbines. The turbines will operate at a nominal power of 8,000kW and will have a maximum rotor diameter of 167m. The blades will be 81.5m long and have a swept area of 21,900m².

**SCOPE OF
WORKS**

Pre-project meetings
Evaluate existing RAMS
Post Lay Testing (continuity, insulation resistance, Time Domain Reflectometry and Optical Time Domain Reflectometry).

On the offshore assets:

Stripping the array cables to expose the HV cores and FO 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 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.

QUOTATION

Sam Dowey, Managing Director said: "Correll Group are delighted that Prysmian Group approached our organisation to take over the Termination & Testing contract on Hornsea Two. The Hornsea Two project is being managed by our highly experience UK team based at our HQ in Skelton, North East England, and we look forward to successfully delivering on this and all future projects".

For further information: geoffbriggs@correllservices.com