Correll GROUP

Electrical Engineering | CASE STUDY

Kincardine Offshore Wind Farm (Phase 2)
The UK's first floating offshore wind farm

PROJECT OVERVIEW

Correll Electrical Engineering was awarded a second contract by Global Marine for the Termination & Testing of both export and inter-array cables for the UK's first floating offshore wind farm, Kincardine.

SCOPE OF WORKS

- Pre-project meetings
- Site Visits
- Creations of RAMS
- Creation of Quality documentation
- Project HIRA meetings
- Post lay testing (continuity, IR, TDR & OTDR)
- Onshore export cable stripping and routing
- Onshore export jointing of the HV & FO cables

On the offshore assets:

- Stripping the export cable to expose the HV cores and fibre optical cable
- Complete the permanent hang-off
- Route the HV and FO cable into the asset
- Install transit blocks around the HV core and FO cable
- 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 floating asset (VLF, IR, TDR & OTDR)

Client: Global Marine

Location: Northern North Sea

Year: 2020

ABOUT KINCARDINE

Kincardine floating offshore wind farm (KOWL) made the decision to initially install only one 2MW turbine in 2018.

In 2020, KOWL installed a further five turbines to bring the project capacity up to 50MW, at the same time installing a further 5 x 33kV inter-array cables, and a second export cable.

The 50MW project is Scotland's first offshore floating wind farm, located in the Northern North Sea, 18km off the coast of Aberdeen in water depths of 60m to 80m.

The project was fully commissioned in August 2021, and now generates up to 220 GWh of green energy each year, enough to power 55,000 households.

FURTHER INFORMATION

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