



Correll
GROUP

Correll Group awarded contract for UK's first offshore floating wind farm

July 2020, Correll Electrical Engineering was awarded a second contract by Global Marine for the Termination & Testing of both export and inter-array cables for the Kincardine offshore wind farm following on from the initial installation in 2018.



Correll | Electrical Engineering

Correll | High Voltage (HV) Management

Correll | Cable Installation & Power Services

Correll | Equipment Rental

Correll | Training & Development

**ABOUT
KINCARDINE**

Kincardine (KOWL) made the decision to initially install only one 2MW turbine in 2018. For the installation of this turbine, the semi-submersible WindFloat™ prototype from the demonstrator site in Portugal was utilised.

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 project was fully commissioned in August 2021 and now generates up to 220 GWh of clean electricity each year, enough for 55,000 households.

**PROJECT
INFORMATION**

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 33kV inter-array cables connecting the 5 Vestas V164-9.6MW turbines carry clean generated electricity to an offshore substation for transmission to the offshore grid.

**SCOPE OF
WORKS**

Site visits
Creation 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 asset:

Stripping the export cable to expose the HV cores and fibre optic 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
Cleave 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).

QUOTATION

Sam Dowey, Managing Director said: "Correll Group are delighted to be working with Global Marine Systems once again to complete the termination & testing on the UK's first floating offshore wind farm, and we very much look forward to growing our partnership further with future collaborations".

For further information: geoffbriggs@correllservices.com