



Correll  
GROUP

Cable Installation  
& Power Services

CASE STUDY

# Neart Na Gaoithe Offshore Wind Farm 220kV Export Cable Pull-in, Termination and Testing

## PROJECT OVERVIEW

The Correll Group was awarded a contract by Prysmian Powerlink to deliver works Neart na Gaoithe offshore wind farm.

The project was completed in two stages; The first comprised the pull-in of a 220kV HVAC export cable to each of two offshore substation platforms. The scope of work also consisted of the internal platform works on the south platform including; securing the subsea cable at the hang-off, stripping, routing & cleating the High Voltage cores to the switchgear, separating, installing and splicing the fibre optic cables. HV & OTDR testing was also performed following the completion of each export cable.

The second and final phase, involved the completion of the internal platforms works on the north platform.

## SCOPE OF WORKS

- Pre-project meetings

- Creations of RAMS
- Post Lay Testing (continuity, insulation resistance, Time Domain Reflectometry and Optical Time Domain Reflectometry)

### On the offshore assets:

- Cable pull of 2 x export cables on 2 x OSS platforms
- Supply scaffolding for the support of the cable installation
- Stripping the export cables to expose the HV cores and FO cable
- Complete the permanent hang-off
- Route the HV and FO cable into GIS and Fibre Enclosure
- Cleat the HV cores from the hang-off to the GIS
- Terminate and splice the FO cable into the cabinet
- Assist in the termination of the three power cores into the GIS
- Complete post installation testing from the onshore substation to the offshore assets (IR, TDR & OTDR)



**Customer:** Prysmian Powerlink

**Activity:** Export Cable Pull-in

**Year:** 2022/23

## FURTHER INFORMATION

[www.correllservices.com/projects](http://www.correllservices.com/projects) or contact: [enquiries@correllservices.com](mailto:enquiries@correllservices.com)