



Correll
GROUP

Electrical
Engineering

CASE STUDY

Changhua Demonstration Offshore Wind Farm The second offshore wind farm in Taiwan waters

PROJECT OVERVIEW

Following the successful delivery of the Formosa 1 (phase 2) OWF in Taiwan, Correll were delighted that Jan De Nul once again chose our company to complete the subsea cable termination & testing works on the second OWF being constructed in Taiwan waters.

To support this, and all future projects in the region, Correll has opened an office and operational base in Taipei, Taiwan.



SCOPE OF WORKS

- Pre-project meetings
- Site visits
- Creation of RAMS
- Procurement of HV & FO Materials
- Mock-up trials at Switchgear and TP manufacturers facilities in Japan and South Korea respectively.
- Creation of quality documentation
- Project HIRA meetings
- Post Lay Testing (continuity, insulation resistance, Time Domain Reflectometry and Optical Time Domain Reflectometry).
- Onshore export cable stripping and routing
- Onshore export jointing of the HV & FO cables

On the offshore assets:

- Stripping the export cables to expose the HV cores and FO cable
- 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

Client: Jan De Nul

Location: Taiwan Strait, Taiwan

Year: 2019

- 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 (VLF, IR, TDR & OTDR)
- Deliver an Inspection and Test Plan for the installed and tested system, forming part of key payment milestone.

ABOUT CHANGHUA

The Greater Changhua offshore wind projects are planned to be developed across four sites in the Taiwan Strait, approximately 35km to 60km off the coast of Changhua County, Taiwan.

Upon completion, the four OWF's are expected to comprise the largest wind power complex in Taiwan, powering approximately 2.8 million households in the country.

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FURTHER INFORMATION

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