



Correll
GROUP

Correll Group awarded contract for 66kV works on Formosa 2

August 2021, Correll Electrical Engineering was contracted by Jan De Nul to carry out the Termination & Testing of 66kV inter-array cables for the Formosa 2 offshore wind farm.



Correll | Electrical Engineering

Correll | High Voltage (HV) Management

Correll | Cable Installation & Power Services

Correll | Equipment Rental

Correll | Training & Development

ABOUT FORMOSA 2

Formosa 2 is situated in the Strait of Taiwan, which separates the island from mainland China. Adjacent to the Formosa 1 wind farm, the Formosa 2 site is 3.8km off Taiwan's west coast, with the furthest point of the project 9.5km from the shore.

The wind farm will comprise 47 Siemens Gamesa 8MW turbines, and when fully commissioned will generate 376MW of clean energy – enough electricity to power 380,000 households in Taiwan every year.

SCOPE OF WORKS

Pre-project meetings
Site visits
Creation of RAMS
Creation of quality documentation
Project HIRA meetings
Mock-up trials at TP manufacturers facility in Thailand
Post lay testing (continuity, IR, TDR & OTDR).
Onshore export cable stripping and routing
Onshore export jointing of the HV & FO cables
Onshore substation HV & FO cable routing, cleating and termination.

On the 22 offshore assets:

Stripping the export cable 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 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 (VLF, 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: "We are delighted to have won this project and to be again working in close partnership with Jan De Nul, having collaborated on many previous projects. This is testament to our global team of technical experts, and we look forward to working together to successfully complete the Formosa 2 contract".

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