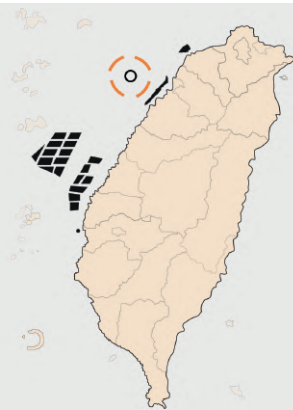


## Route clearance & pre-lay grapnel run - Formosa 1 phase 2

### SCOPE

CWind Taiwan provided the cable route clearance and pre-lay grapnel run (PLGR) work on the Formosa 1 phase 2 project, Taiwan's first offshore wind farm. The contract involved clearing approximately 26 km of planned cable route, minimising the risk of debris along the route prior to the cable installation campaign. CWind Taiwan maximised the skills and expertise from both of its joint venture parties, integrating experienced European cable ship officers from Global Marine, with local surveyors from Taiwanese parent International Ocean Group (IOG).



- Project name: Formosa 1 phase 2
- Capacity: 120 MW
- Turbines: 20
- Commercial Operation Date: 2019



**2,112**

Total  
man hours



**26km**

of cable  
route cleared

#### • DP VESSEL CAPABILITIES

Avatar Courage is a multi-purpose DP1 Anchor Handling Tug (AHT), able to support a variety of construction services, transportation and survey solutions. Her DP capability and large deck space ensured accurate route clearance and enabled the safe and efficient deployment of the grapnel rig. Under a strategic alliance with IOG, Avatar is now serving the Taiwanese offshore wind market under a Taiwan flag.

#### • COMPLETE SERVICE PACKAGE

We provided all survey equipment, vessels and surveyors as an entire package, project managing all stakeholders and risks involved for the ease and peace of mind of the client. As the Taiwanese offshore wind industry is still young and growing, we utilised our European experience combined with local capability onto Taiwanese projects to develop the local supply chain.

#### • FAMILIARITY OF THE AREA

Prior to project commencement, our team completed a UXO Survey on the same route. This meant that our surveyors and crew were familiar with the seabed and sea conditions in this area, and it also enabled us to provide sophisticated survey data to our clients, allowing for informed and smart decisions about the future of the site.