



Temporary Power Provision for Formosa 2 Offshore Wind Project

Formosa 2 (F2) Offshore Wind Project was awarded its capacity in 2018 with Manor Renewable Energy (MRE), an OEG Renewables company, winning the temporary power contract in May 2022.

Adjacent to the Formosa 1 Wind Farm, the Formosa 2 site is 3.8km off Taiwan's northwest coast, 40nm from the port of Taichung in Wuqi District, Taichung, with the furthest point of the project 9.5km from the shore. The wind farm covers approximately 69 km² and consists of 47 Siemens SG 8.0 - 167 DD wind turbines with a capacity of 8 MW each, with total capacity achieving 376 MW.

Challenge

Prolonged period of difficult weather conditions over the winter months.

Short notice period for the project with a quick turnaround time for generator provision.

Solution

MRE supplied 26 generators to the project, mobilised with 4 weeks notice from Portland, UK to Taichung, Taiwan.

Local personnel were also supplied to the project to support MRE's temporary power solution and MRE utilised local suppliers where possible to minimise costs.

MRE worked with the client to provide a unique rigging arrangement, minimising the main crane time required whilst offshore.

The generators were required until the completion of the planned energisation in late 2023.



“MRE successfully mobilised equipment from our fleet to Taiwan within a 4-week notice period and were able to provide a safe, reliable, and flexible temporary power solution. As Formosa 2 was our 4th project in country we were able to build upon the growth of our local content where we have been able to provide work and experience to some of the local offshore professionals of Taiwan.”

Alida Lewis, Senior Project Manager at MRE