



COBRA KIN-1

Wind turbine installation

Project description

Cobra Wind contracted Bourbon Subsea to install the 2MW Kin-1 wind turbine, first prototype of the 30MW Kincardine offshore wind farm development. It included the deployment and pretensioning of the mooring lines, towing of the floater to Dundee quayside for turbine assembling, towing of the full wind turbine to Kincardine offshore site and hook up. As part of the scope, Bourbon Subsea Services provided and set up all quayside facilities for the assembling phase and supplied all related logistics services.

Challenges

Client had limited experience of offshore projects. Local network and supply chain unknown by Bourbon Subsea before project commencement. Installation involved significant technical constraints with very stringent acceptance criterions. Due to late award and client timing obligations, the project execution time scale was very short.

Our solution

Bourbon Subsea Services provided a turnkey solution inclusive of Project Management, detailed installation Engineering, procurement of installation aids and installation services. Using its experience on similar floating wind turbine installation projects, Bourbon Subsea Services defined fast and cost efficient solutions which allowed the project to be completed in a very short time frame, within budget and with no incident.

- **Client**
Cobra Wind International Ltd.
- **Location**
NS-15 km offshore Aberdeen
Kincardine site (65m WD)
- **Duration**
May– August 2018
- **Resources**
 - Pacific Duchess / Atlantic Kestrel / Harbor Tugs
 - ObsROVs
 - Light diving spread / workboats
- **Services**
 - Project Management
 - Engineering
 - Procurement of installation aids
 - Quayside logistics support
 - Installation of 4 Mooring lines
 - Towing and hook up

