



WindPlus WFA

3xWind turbines installation

Project description

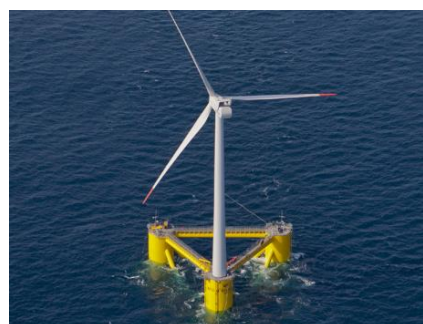
Bourbon Subsea Services was awarded by WindPlus a Transport and Installation contract to install 3 off 8,4MW floating wind turbines in 2019 offshore Portugal. The Windfloat Atlantic contract includes the supply of the whole mooring system, the prelay and tensioning of 3 sets of 3 mooring lines. Both the towing and hook up of the floaters and the installation of the inter array cables are also part of the project scope.

Challenges

Due to delivery of the fully assembled wind turbines late summer, the window for their installation prior to the bad weather season is tight and thus limiting contingency within the planning. The sequences for towing, hook up and cable installation of the 3 units must be suitably integrated to optimise the planning and the marine asset utilisation.

Our solution

Bourbon Subsea Services proposed a fully integrated turnkey solution based on 2 main vessels dedicated to specific tasks, pre-set mooring and hook up/umbilical lay, in order to provide maximum flexibility within the schedule. The experience acquired during WF1 installation in 2011, on Floatgen mooring prelay in 2017 and on Kincardine 1 installation in 2018 is key for delivering this project successfully and efficiently.



Client

WindPlus S.A.

Location

North of Portugal
96m WD

Duration

May 2018 - Septembre 2019

Resources

- 1 large AHTS for mooring
- 1 offshore Tug for towing
- 1 assistance Tug for hook up
- 1 hook up Vessel for cable lay

Services

- Project Management,
- Engineering,
- Procurement and prelay of 9 complete mooring lines (Campaign #1)
- Towing, hook up and inter array cable installation for the 3 floaters (Campaign #2)