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# ALE COMPLETES INSTALLATION OF FRANCE'S FIRST FLOATING WIND TURBINE INSIDE HARBOUR


ALE has completed the unique installation of wind turbine components for France's first floating wind turbine at Saint Nazaire, France.

The installation is part of the pre-commissioning works of FLOATGEN demonstrator, where ALE was contracted by IDEOL to perform the mechanical and electrical completion of a 2MW V80 wind turbine generator onto a floating foundation.

The floating foundation was afloat and berthed at the 'Quai des Charbonniers', Saint Nazaire.

Each of the wind turbine components were lifted by a 1,200t crane, situated in front of the floater device. The components consisted of: two tower sections a nacelle, a hub and three blades. A 100t auxiliary crane was also required to erect and lift the two tower sections in tandem.

In order to maintain the stability of the floating foundation, ALE simultaneously performed ballasting operations on the foundation during the lifting operation. Four submersible pumps were used to supply water to the ballast tanks situated at the corners of the floater. The steady trim methodology defined by IDEOL worked well for loads transfer from the crane hook to components flanges.

Once the wind turbine was fully mounted on top of the floating foundation, the electrical components and cables were connected and assembled, and the client's sensors and measuring equipment were installed.

Antonio Martin Garcia, Project Manager for ALE, said: "This was a unique job for ALE and the first time we have undertaken such a complex scope of work in this sector. We were able to provide a bespoke solution for this challenging operation and by providing experienced operators with expertise in each discipline, including the installation, ballasting, and lifting, as well as coordination we could ensure smooth project management. The successful completion of this project showcases our enhanced wind installation capabilities and sets the bar in the next phase of heavy lifting solutions in the renewables market."

**ENDS**

***Issued by the ALE Press Office. For more information or images, please contact Sarah Maia on (+44) 1782 977146 or email s.maia@ale-heavylift.com***

**Image 1: Lifting of the wind turbine components.**
**Image 2: Completing the mechanical and electrical installation.**

**Notes to editors:**
ALE delivers a highly tailored, end-to-end service covering every aspect of the handling, transportation and installation of heavy, indivisible loads, including lifting, transporting, installing, ballasting, jacking and weighing.

ALE provides strategic heavy-lift services to a wide range of sectors, including civil, oil and gas, energy, nuclear, offshore, renewables, petrochemical, ports, marine, minerals and metals and mining.

ALE has more than 40 offices across Europe, the Far East, Africa, America, South America, the Middle East and Australia. It is fully compliant with international standards of safety and excellence, including Quality standard ISO 9001:2015, Environmental standard ISO 14001:2015, and Health and Safety Standard OHSAS 18001:2007. Further information can be found on the ALE website at www.ale-heavylift.com.