

Wind and Oceanographic Assessment for Bay of St. Brieuc Wind Farm Site



A FLiDAR WindSentinel buoy from AXYS Technologies has been deployed in Brittany, France, as part of the energy assessment for the Bay of Saint Brieuc commercial offshore wind farm development managed by Ailes Marines. The WindSentinel will be deployed for a minimum of 12 months to gather comprehensive wind speed and wind direction data up to heights of 200m, along with metocean data including directional waves, ocean currents, tide, salinity, water temperature, atmospheric pressure and air temperature.

The FLiDAR WindSentinel system is equipped with dual Lidar sensors to measure the wind resource and expected energy production at the offshore wind farm.

Ailes Marines selected the AXYS WindSentinel based on its technology and proven track record of providing reliable data from offshore systems, according to Ailes Marines wind engineer and project manager, Jerome Dumont. He also considers that the high load capability of the WindSentinel is potentially advantageous in allowing accommodating various device options and redundancies in measurement systems (Lidar, etc.). Thus it may help adapting to specific requirements of developers so as participate in reducing risk levels on data recovery during the Wind Assessment Campaign.

The WindSentinel is a rugged wind resource assessment system that uses Lidar to accurately measure wind speed and wind direction offshore. With this deployment AXYS continues to grow its position as the world leader in offshore wind assessment, having supplied 18 commercial floating Lidar systems around the world that have recorded more than 200 months (17 years) of offshore data.

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