GRS OFFSHORE RENEWABLES

Floating Wind Farm in Southern France Nears Commissioning

France is preparing to bring its first large-scale floating offshore wind pilot project online, as the 30 MW Éoliennes Flottantes du Golfe du Lion (EFGL) moves into its final commissioning phase.

The development, led by Ocean Winds in partnership with Banque des Territoires, consists of three 10 MW-class turbines installed on floating foundations around 16 kilometers off the coast of Occitanie in the Mediterranean.

Over the past months, key milestones have been achieved:

- All three floating turbines have now been installed.
- Mooring systems, anchoring lines, and export cables were completed to secure the platforms and connect them to shore.
- Final preparations are underway for the grid connection and commissioning tests.

Once operational, EFGL will generate renewable power for tens of thousands of households and serve as a technical demonstration for floating wind in Mediterranean conditions. The project's experience will provide valuable insights for larger-scale floating projects, including the planned 250 MW Eoliennes Flottantes d'Occitanie, awarded in late 2024.

The EFGL pilot underlines France's ambition to expand its offshore wind capacity and demonstrates the growing maturity of floating wind technology in Europe.

First Jacket Foundation Installed at Dieppe Le Tréport

Construction of the **496 MW Dieppe Le Tréport Offshore Wind Farm** in France has reached a major milestone with the installation of its first steel jacket foundation this month.

The three-legged jacket, weighing around 1,200 tonnes and standing 55 meters tall, was positioned 17 km off Dieppe using DEME's jack-up vessel Innovation. It rests on pre-driven pin piles and marks the beginning of full offshore installation works. The remaining 61 foundations will be installed progressively through 2026.

Manufactured by Navantia Seanergies in Spain and staged in Cherbourg, the jackets will support 62 wind turbines capable of supplying power to 850,000 homes. Earlier this summer, the offshore substation was successfully installed, enabling turbine deployment in the next construction phase.

Led by EMDT (Engie, EDPR, Sumitomo), with DEME Offshore handling foundation works, Dieppe Le Tréport is set to become one of France's largest offshore wind projects. Once operational, it will make a significant contribution to the country's renewable energy capacity and decarbonization targets.

Mammoet and Tugdock Partner to Advance Marine Innovation

Heavy-lift specialist Mammoet has formed a strategic partnership with Tugdock Submersible Platforms Ltd. to accelerate the use of Tugdock's modular Submersible Platform (TSP) in global offshore markets.

The TSP consists of interlocking, air-filled cells that can form floating docks or work platforms up to 120 x 120 meters, capable of supporting loads of up to 30,000 tonnes. Designed for flexibility, the modules can be submerged or raised as needed, making them particularly valuable for ports without deep-water heavy-lift infrastructure.

By combining Mammoet's expertise in engineered transport with Tugdock's innovative platform, the partnership aims to offer new solutions for launching, lifting, and assembling large offshore assets such as floating wind foundations, oil & gas modules, and LNG equipment.

The collaboration is expected to speed up the rollout of the TSP technology, reduce costs and timelines for offshore projects, and open new opportunities for ports worldwide. This move is seen as especially impactful for the offshore wind industry, where next-generation floating turbines demand more flexible logistics solutions.

Monopiles Completed for Germany's Windanker Offshore Wind Farm

The production of monopile foundations for the 315 MW Windanker Offshore Wind Farm has been completed, marking a key step toward offshore construction.

Built by Windar Renovables and Navantia Seanergies, each monopile measures around 84 meters in length, 10 meters in diameter, and weighs over 2,100 tonnes — among the largest produced in Europe.

The project, developed by Iberdrola with Kansai Electric Power, will feature 21 Siemens Gamesa SG 14-236 DD turbines, each close to 15 MW. Once operational in 2026, Windanker will supply renewable electricity to about 315,000 households.

The monopiles will be transported to the Baltic Sea for installation, followed by turbine erection and grid connection. Together with Iberdrola's Wikinger and Baltic Eagle wind farms, Windanker will expand the developer's Baltic Hub to more than 1.1 GW of capacity, reinforcing Germany's offshore wind leadership.

DEME Orders Offshore Construction Vessel to Boost Cable Capacity

DEME has confirmed an order for a new Offshore Construction Vessel (OCV), designed to enhance its subsea cable installation capabilities in the global offshore wind market.

The 123-meter vessel, based on the advanced SALT 310 design, will feature DP2 dynamic positioning, a 150-ton active heave-compensated crane, space for two Work Class ROVs, and a hybrid 1,000-kWh battery system. The propulsion will be methanol-ready, aligning with future fuel transition goals.

With two below-deck carousels capable of carrying 2,500 tonnes each, the vessel can execute trenching, burial, and cable-laying operations efficiently. It will complement DEME's existing fleet, including Living Stone and Viking Neptun, and accommodate up to 123 personnel.

The addition underscores DEME's commitment to meeting the rising demand for subsea cable capacity, driven by larger and more complex offshore wind farms worldwide.

CS WIND Offshore Delivers Record-Breaking XXL Monopile

CS WIND Offshore has completed a record-setting TP-less XXL monopile, further pushing the boundaries of offshore wind foundation technology.

The structure measures 123.6 meters in length, 10 meters in diameter, and weighs around 2,515 tonnes, making it one of the largest monopiles ever built. Manufactured at the Lindø facility, the monopile achieved a welding defect rate of just 0.05%, highlighting the company's precision engineering and strict quality control.

The TP-less design simplifies the interface between monopile and turbine tower, reducing installation time and overall project costs.

This milestone demonstrates CS WIND's readiness to support next-generation offshore wind projects with higher-capacity turbines in deeper waters. The completed monopile is now ready for delivery to its project site, where installation will begin as part of Europe's ongoing offshore wind expansion.

Ocergy Selected for Japan's Offshore Wind Observation Project

Floating wind specialist **Ocergy** has been chosen by **Kyuden Mirai Energy Corporation** to supply its advanced floating platform technology for a new offshore wind observation project off Aomori Prefecture, Japan.

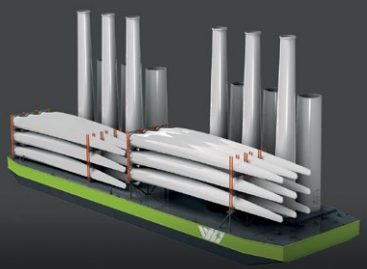
The project, part of Japan's **NEDO program**, aims to improve the accuracy of offshore wind resource assessments — a critical step in planning future floating wind farms.

Ocergy's **OCG-Data™ platform**, equipped with advanced motion reduction systems, will enable Doppler LiDAR sensors to measure wind speeds at sea with accuracy comparable to land-based stations. Achieving such ultra-low motion for floating LiDAR has long been a challenge, and this deployment marks a technical breakthrough.

Running from 2025 to 2027, the project will provide valuable data for turbine placement, yield predictions, and Japan's long-term offshore wind expansion goals. It also highlights the growing role of advanced monitoring technologies in supporting the global floating wind sector.

GRS OFFSHORE RENEWABLES

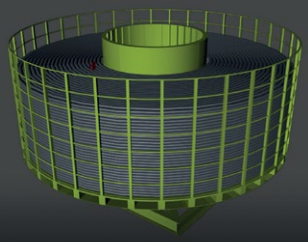
OFFSHORE EQUIPMENT



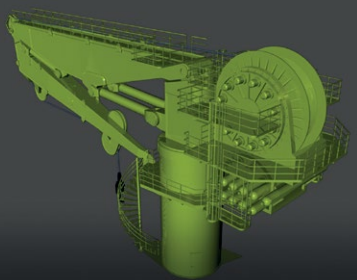
BARGE / PONTOON

ACCOMMODATION MODULE

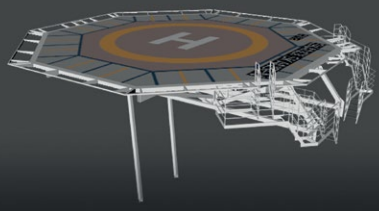
TRANSFER SYSTEM / GANGWAY



CABLE CAROUSEL / TURNTABLE



CRANE

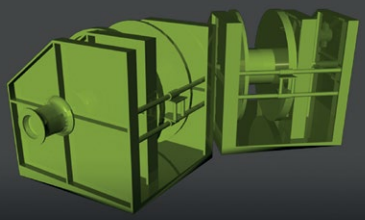


HELICOPTER DECK

OFFSHORE CONTAINER

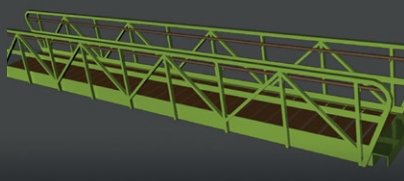
CABLE INSTALLATION EQUIPMENT

REMOTE OPERATING VEHICLE (ROV)



MOORING SYSTEM / WINCH

A-FRAME



MISCELLANEOUS EQUIPMENT

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