

# NMS-T-10000 READY FOR DEPLOYMENT TO HE DREIHT OFFSHORE WIND FARM

The NMS-T-10000, the world's largest noise mitigation system, is set for deployment at the EnBW He Dreiht offshore wind farm after a 16-month construction period. This milestone marks the culmination of a two-year project, from engineering to Factory Acceptance Test completion.

Building upon the success of its predecessors, the NMS-8000 and NMS-8800, the NMS-T-10000 boasts remarkable capabilities designed for offshore wind farm installations:

- Designed for use from a floating vessel
- Capable of handling monopiles with diameters of up to 10 meters
- Maintains monopiles in a vertical position and accurately rotates them to the correct heading

- Minimizes environmental impact by blocking noise from pile to water
- Equipped with six mudmats for precise alignment and stability during installation
- Operates effectively in water depths of up to 42 meters

During installation at He Dreiht, Heerema Marine Contractors will utilize IQIP's advanced equipment, including the IQ6 Hydrohammer® and PULSE® pile sleeve.

As the NMS-T-10000 embarks on its voyage, we extend our appreciation to IQIP's project team for their collective achievement. He Dreiht is poised to become one of Europe's largest offshore wind power projects, supplying renewable energy to 1.1 million households.





SEATWIRL®

verlume

## SEATWIRL PARTNERS WITH VERLUME FOR OFFSHORE DECARBONIZATION

SeaTwirl, a leading provider of floating wind power technology, and UK-based energy management firm Verlume have signed a Memorandum of Understanding (MoU) to collaborate on the electrification of offshore assets and the decarbonization of the oil and gas industry.

The MoU aims to identify and pursue opportunities for offshore oil and gas decarbonization and electrification using renewable power and seabed-based energy storage, enabling commercial sales of bespoke systems. Richard Knox, CEO of Verlume, emphasizes the significance of the partnership for decarbonizing the offshore oil and gas industry, highlighting their energy storage systems' compatibility with renewable power inputs.

Johan Sandberg, CEO of SeaTwirl, expresses excitement about the partnership with Verlume and believes that their combined capabilities will advance the decarbonization of remote assets. With a focus on developing renewable offshore energy solutions, SeaTwirl aims to expand the possibilities of clean power delivery through the MoU. Established in 2013, Verlume is a leader in intelligent energy management and storage technologies, consistently delivering world-class projects to reinvent traditional systems and maximize efficiency in the energy market.





**Arnaud Pieton, Technip Energies**  
Floating Offshore Wind Business Unit



**Séverine Baudic, SBM Offshore**  
Managing Director, New Energies



# SBM OFFSHORE AND TECHNIP ENERGIES JOIN FORCES FOR FLOATING OFFSHORE WIND

SBM Offshore and Technip Energies have inked a Memorandum of Understanding to establish a joint venture called EkWiL, focused solely on floating offshore wind (FOW). This collaboration aims to amalgamate the expertise and technologies of both entities to offer integrated floating solutions tailored to the burgeoning FOW market.

EkWiL will amalgamate Technip Energies' engineering prowess and delivery capabilities with SBM Offshore's robust offshore infrastructure track record, providing a diverse array of solutions to clients. By integrating cutting-edge technologies like the Semi-submersible INO15 and Tension Leg Platform

Float4Wind®, EkWiL aims to enhance execution certainty and cost competitiveness for FOW projects.

Bruno Chabas, CEO of SBM Offshore, underscores the significance of collaboration in developing floating offshore wind infrastructures, expressing optimism about EkWiL's potential to establish itself as a leading contractor in the field. Arnaud Pieton, CEO of Technip Energies, stresses the imperative of pooling resources to seize the opportunities presented by the FOW market, highlighting EkWiL's pivotal role in delivering innovative energy solutions.



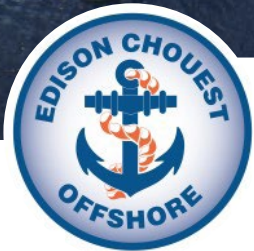
# SEAQUALIZE

## SEAQUALIZE AND VAN OORD TEST WORLD'S FIRST INLINE ACTIVE HEAVE COMPENSATOR

Seaqualize, in collaboration with Van Oord and nautical research institute MARIN, has completed 62 hours of offshore testing for its groundbreaking inline Active Heave Compensator (iAHC), the 'Delta600'. The trials, which included fixed-to-floating, floating-to-fixed, and floating-to-floating transfers of 300mT loads, demonstrated the tool's robustness and efficiency in real-world conditions. With DNV certification in hand, the Delta600 is now set for deployment in offshore operations.



GRS OFFSHORE RENEWABLES



# MAERSK SUPPLY SERVICE AND ECO PARTNER FOR FASTER OFFSHORE WIND INSTALLATIONS IN THE U.S.

Maersk Supply Service has teamed up with Edison Chouest Offshore (ECO) to develop and operate a windfarm feeder concept tailored for Maersk Supply Service's next-generation Wind Installation Vessel. This innovative partnership aims to enable efficient transfer of turbine components at sea, accelerating the deployment of offshore wind projects in the United States.

Christian M. Ingerslev, CEO at Maersk Supply Service, highlights the potential impact of their new installation concept, projecting efficiency gains of up to 30%. The collaboration with ECO will make this technology available for the U.S. offshore wind market, facilitating faster offshore wind installations.

The purpose-built feeder spread, comprising two tugs and two

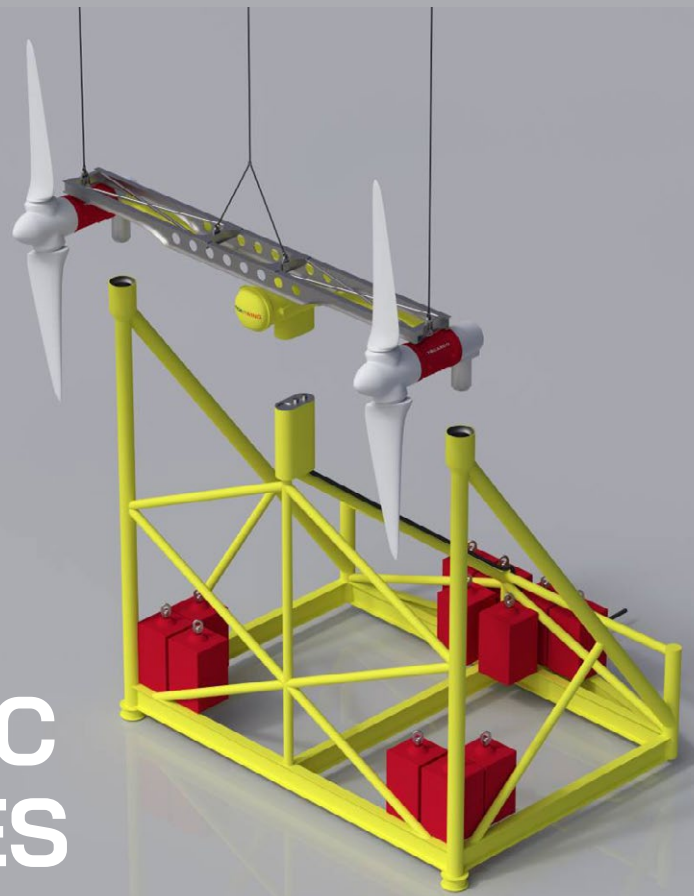
barges, is set to be delivered in 2026. Owned and operated by ECO and constructed by Bollinger Shipyards, these vessels will transport wind turbine components or foundations to the installation site, while the Wind Installation Vessel remains on location for successive installations.

Dino Chouest, Executive Vice President of ECO, emphasizes the partnership's role in expanding their footprint in the U.S. offshore wind industry. By utilizing U.S.-built, -owned, and -flagged vessels, Maersk Supply Service aims to increase access to a wider range of U.S. ports, while innovative locking and stabilizing mechanisms between the vessels will reduce dependency on weather conditions, streamlining installation processes.





# QED AND PARTNERS INNOVATE TOWARDS SUSTAINABLE THERMOPLASTIC TURBINE BLADES



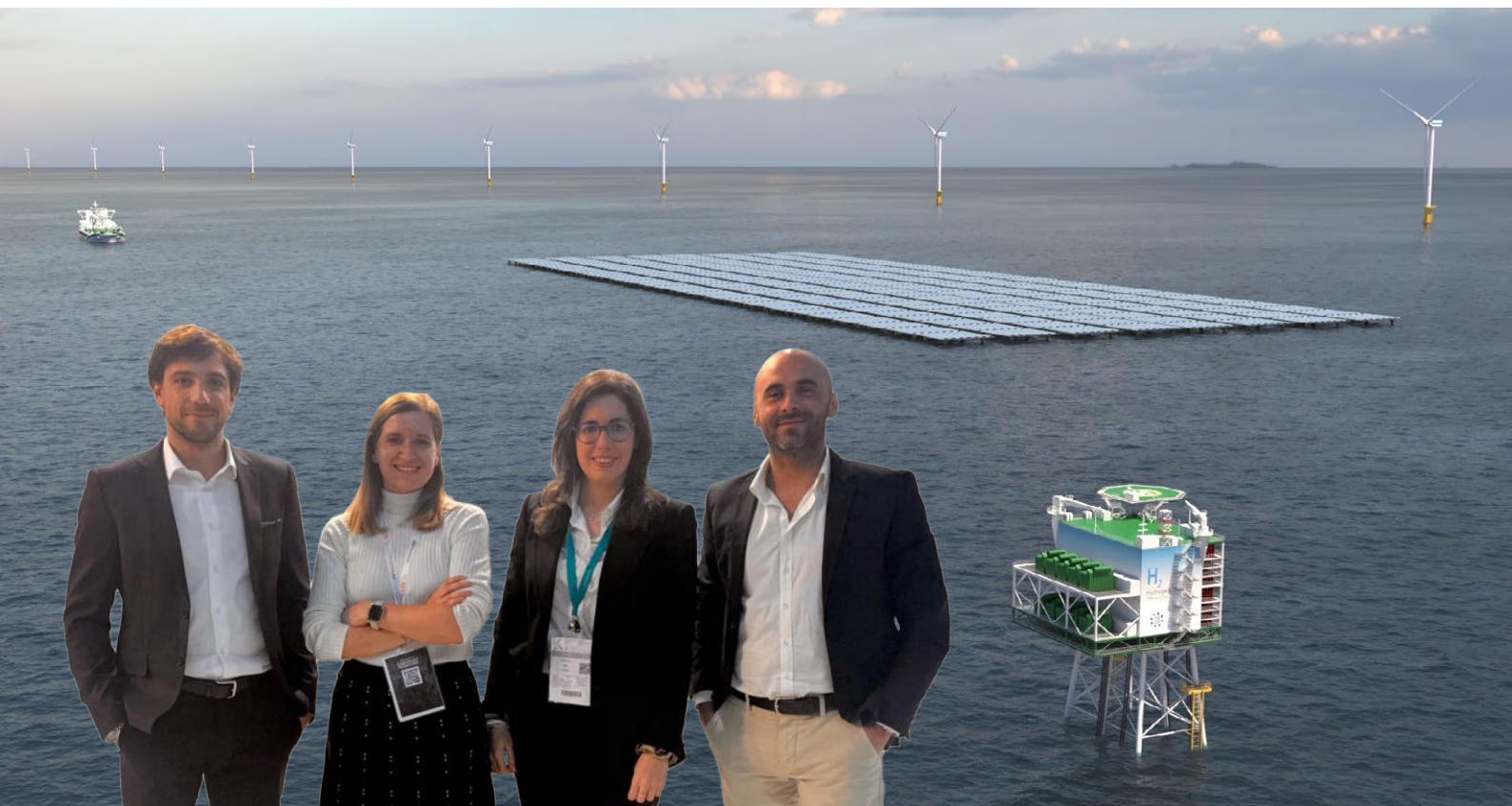
Composite blades play a crucial role in modern turbines, but their disposal poses significant environmental challenges due to non-recyclable materials like fiberglass. QED Naval, in collaboration with the University of Edinburgh, Co-tide, and Sheffield University, is pioneering the development of thermoplastic turbine blades as a greener alternative. Unlike traditional composite blades, thermoplastic blades can be recycled or remolded at the end of their lifespan, reducing through-life costs and environmental impact.

Thermoplastic materials offer several advantages over traditional composites, including greater resistance to fatigue, enhanced durability, and improved structural integrity. These characteristics translate to increased reliability and longevity, reducing operational costs over the turbine's lifespan. By addressing the through-life costs of turbine technology, the development of thermoplastic blades represents a significant step towards a more sustainable future for renewable energy.



RAMBOLL

# RAMBOLL TO ADVISE ON INNOVATIVE OFFSHORE WIND AND SOLAR PROJECT IN ITALY



Ramboll has been contracted to provide advisory and technical support for the Agnes Romagna offshore wind project, a 600 MW initiative in the Italian sector of the Adriatic Sea. This project integrates offshore wind with floating photovoltaic, battery storage, and a hydrogen production plant. Ramboll's team will assist Italian renewable energy company AGNES throughout the authorization process, offering concept design and strategic advisory services.

The Agnes Romagna Hub comprises two offshore wind farms, Romagna 1 and Romagna 2, with a total capacity of 600 MW. Romagna 1, located 22 kilometers off the coast of Lido di Classe, will feature 25 wind turbines with 8 MW capacity each,

along with a floating photovoltaic system. Romagna 2, with a capacity of 400 MW, will include up to 50 turbines located offshore Porto Corsini. Additionally, the project will integrate a Power-to-Hydrogen plant and battery storage, contributing to a more sustainable energy supply in Italy.

Italian authorities received the project application in 2021, and the authorization process is expected to be completed by the end of this year. The collaboration between Ramboll, AGNES, and other partners signifies a significant step towards the development of renewable energy in the Mediterranean region, showcasing the potential of offshore wind and solar integration.

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the offshore renewable energy sector.

As a Senior Sales Manager, you will join our sales team, driving business growth and building strong relationships with our clients and partners.

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