



# RWE

## FIRST FOUNDATIONS FOR RWE'S THOR OFFSHORE WIND FARM ARRIVE IN EEMSHAVEN

Essen, 22 October 2024

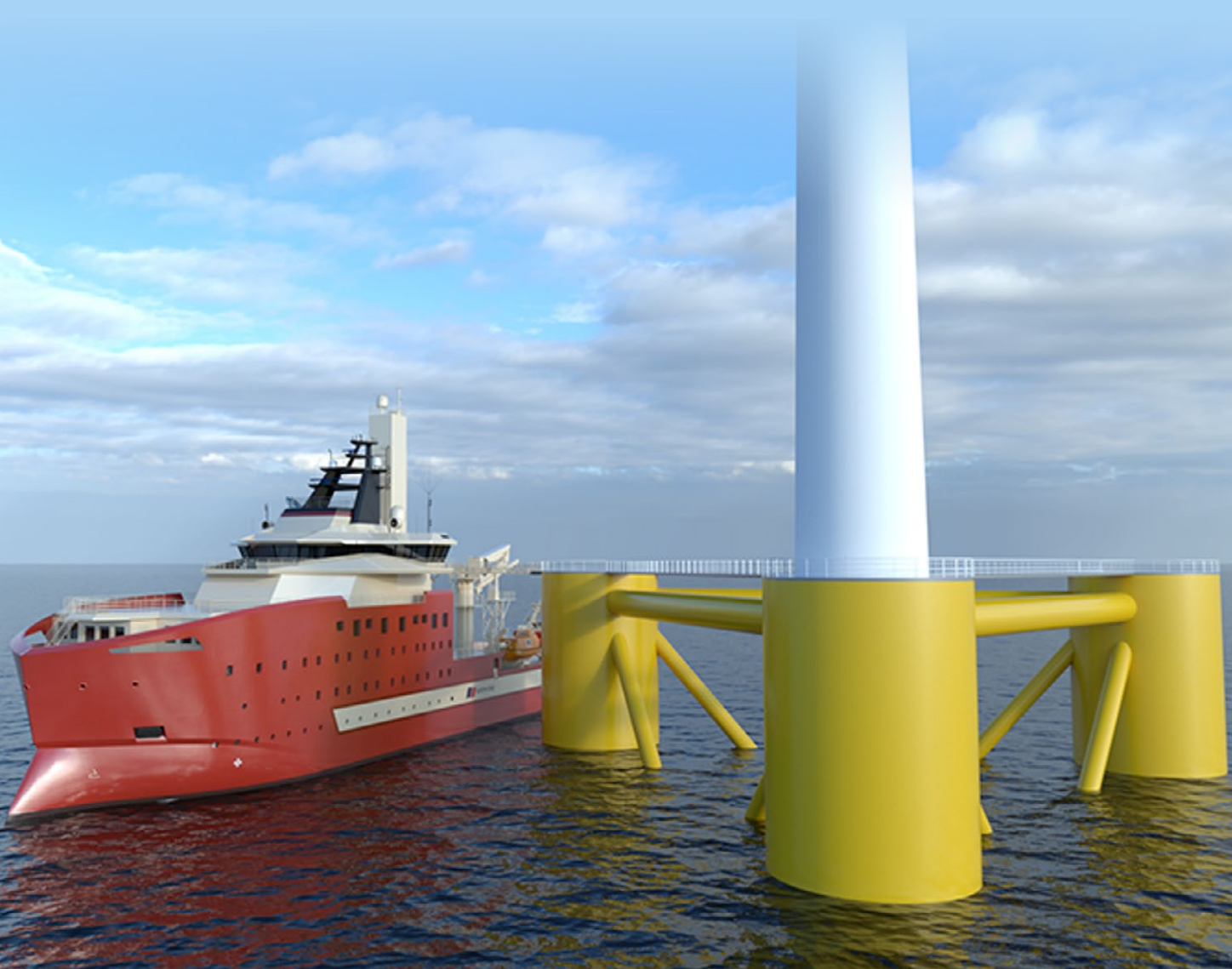
A significant milestone has been reached in the construction of RWE's Thor offshore wind farm in the Danish North Sea. The first shipment of eight monopile foundations, each weighing up to 1,500 tonnes and measuring 100 meters in length, was successfully delivered and stored at the Buss Terminal in Eemshaven, Netherlands. In total, 72 monopiles will pass through the terminal for handling and storage.

Thomas Michel, COO of RWE Offshore Wind, stated that this

marks an essential step for Denmark's largest offshore wind project. He also highlighted the importance of Eemshaven's large port capacity and specialized infrastructure, which previously supported the Kaskasi wind farm construction.

The Buss Terminal Eemshaven provides critical support, including storage, heavy-lift equipment, and port logistics management. Offshore installation of the foundations is scheduled to begin in spring 2025 at the Thor construction site, located 22 kilometers off Jutland's west coast.

# VARD PARTNERS TO DEVELOP NEXT-GENERATION SOV FOR FLOATING OFFSHORE WIND



VARD is playing a pivotal role in a collaborative effort aimed at revolutionizing operations for floating offshore wind projects. Spearheaded by North Star, the partnership includes MO4, Principle Power, SMST, and Voith Group. Together, they aim to address the unique challenges of operating in deeper, remote waters.

The team has signed a memorandum of understanding to create a specialized Service Operation Vessel (SOV) concept

designed for large-scale projects like the 17GW awarded in the ScotWind leasing round. This next-generation vessel promises enhanced safety, efficiency, and sustainability, setting a new standard for floating offshore wind operations.

Andrew Duncan, North Star's Renewables & Innovations Director, emphasized the collaboration's potential to deliver cutting-edge solutions for floating wind logistics.

# Stiesdal

## STIESDAL OFFSHORE AND CIP PARTNER TO ADVANCE FLOATING WIND TECHNOLOGY AND COST EFFICIENCY

Stiesdal Offshore has entered into a strategic partnership with Copenhagen Infrastructure Partners (CIP) through its CI V fund, aiming to revolutionize floating offshore wind by addressing cost and complexity challenges. Floating wind is poised for significant growth between 2030 and 2040, with the International Energy Agency projecting a tenfold increase in global offshore wind resources.

As part of the partnership, CIP has acquired a minority stake in Stiesdal Offshore. This collaboration will strengthen Stiesdal Offshore's position as a leader in the floating wind sector and expand its business scope from designing and developing floating foundations to becoming a comprehensive service provider. This includes offering owner's engineering solutions and full project lifecycle support, engaging proactively with WTG OEMs, certification bodies, and suppliers to minimize risks and enhance outcomes.

Stiesdal Offshore has identified over 30 initiatives to reduce capital expenditure (CAPEX) for floating wind projects. CEO Peder Nickelsen noted the importance of this partnership in accelerating their efforts and preparing for commercial-scale deployment. Michael Hannibal, Partner at CIP, highlighted the critical role floating wind will play in the global energy transition and reaffirmed their commitment to advancing innovation and cost reductions in this sector.

The collaboration aims to establish Stiesdal Offshore as a key enabler of floating wind projects, driving innovations that strengthen the supply chain and support the industry's growth. With CIP's backing, Stiesdal will launch new development initiatives to meet the cost-efficiency goals necessary for unlocking the full potential of floating offshore wind, contributing to a more sustainable energy future.



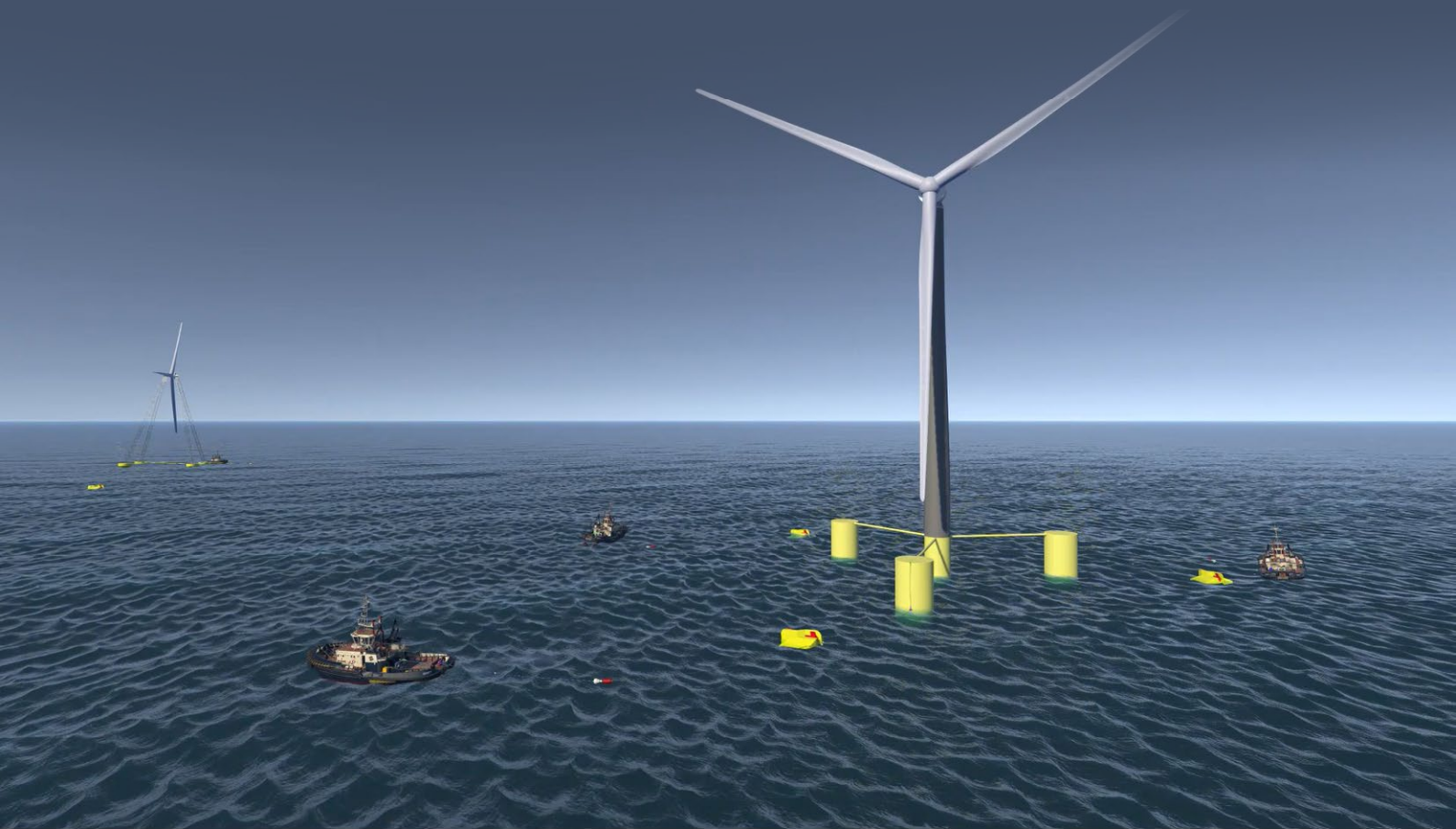
# BLACKFISH ENGINEERING AND AJT ENGINEERING PARTNER TO ADVANCE OFFSHORE MOORING TECHNOLOGY

At the Floating Offshore Wind 2024 Conference, Blackfish Engineering announced a strategic Memorandum of Understanding (MoU) with AJT Engineering to accelerate the commercialization of the C-Dart quick connect mooring system. This collaboration marks a significant step forward in offshore mooring innovation, targeting the expanding Scottish and global renewable energy markets.

The C-Dart system is designed to enhance operational efficiency by reducing risks and streamlining mooring processes. Under the partnership, Blackfish Engineering will oversee application engineering, while AJT Engineering will manage production and assembly, leveraging their manufacturing expertise and local supply chain in Aberdeen.

Jon Powell, Managing Director of Blackfish Engineering, emphasized the combined strengths of both companies in delivering a reliable and efficient solution for the offshore energy sector. Similarly, David Scalley, Managing Director of AJT Engineering, highlighted their shared commitment to supporting Scotland's renewable energy growth.

This partnership underscores a commitment to advancing mooring technology and contributing to the success of offshore renewable projects globally.



# HENGTONG GROUP'S WIND INSTALLATION JACK-UP BEGINS FIRST TURBINE WORKS IN CHINA

The Hengtong Haiyue jack-up has commenced turbine installation at the Hainan Danzhou CZ3 offshore wind project in Hainan, China. The project involves installing 12 turbines and is owned by China Datang Corporation. Once operational, the wind farm is projected to generate 3.66 billion kWh of clean electricity annually, saving 1.1 million tonnes of standard coal and reducing CO2 emissions by 2.87 million tonnes.

The platform, delivered by Jiangsu Dajin Heavy Industry in August, features a 1,600-tonne leg-encircling crane and can install turbines of up to 20 MW capacity.



# TURBINE COMPONENTS ARRIVE FOR 30-MW FLOATING WIND PILOT OFF FRENCH COAST

Components for a 30-MW floating wind pilot project, Eoliennes flottantes du golfe du Lion (EFGL), have been delivered to the Port of Port-La Nouvelle, France. The project, a collaboration between Ocean Winds and Banque des Territoires, will feature three 10-MW Vestas V164 turbines—the most powerful floating turbines ever installed in France.

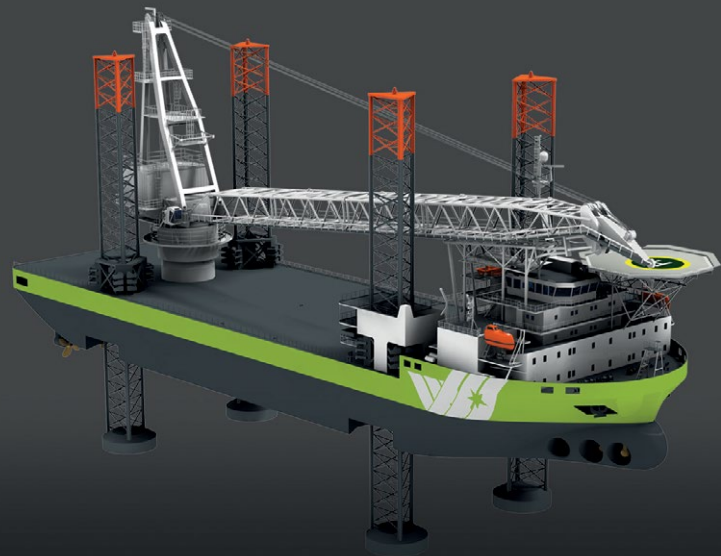
Floating platforms are being constructed in Marseille, with installation slated for late spring 2025. Using Principle Power's floating technology, EFGL aims to advance floating wind development in the Mediterranean.

# FIRST OFFSHORE SOLAR FLOATERS ARRIVE AT PORT OF AMSTERDAM

The initial modular, prefabricated units for the Hollandse Kust Noord offshore solar farm have arrived in the Port of Amsterdam. Scheduled for installation in 2025, this will be the largest offshore solar farm in the North Sea and the first to integrate solar energy with offshore wind and hydrogen production.

Backed by the European Commission and Dutch Climate Ministry, the deployment represents a model for future offshore energy integration. The floaters, transported in 7 MW batches, are fast and simple to assemble, requiring just days to deploy offshore.

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**GRS.OFFSHORE RENEWABLES GMBH  
– STADTHAUSBRUECKE 7 – 20355  
HAMBURG**

**MANAGING DIRECTOR:  
P. SCHOENEFELD, M. MROSS**

**COURT OF REGISTRY:**

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