

All monopile foundations installed at Denmark's largest offshore wind farm

- **Delivery of 1.1-gigawatt Thor offshore wind farm on track; 72 monopiles completed in five months**
- **All secondary steel structures to be installed later this year; turbine installation to start in 2026**
- **Sustainable features: reused monopile hard covers, CO₂-reduced steel towers and recyclable blades**
- **When completed in 2027, Thor will be able to power the equivalent of more than one million Danish homes**

Essen, 25 September 2025

RWE has taken an important step in the construction of the 1.1-gigawatt (GW) Thor offshore wind farm in the Danish North Sea: Over the past five months all 72 monopile foundations for the wind turbines have been successfully installed.

Dr Tobias Keitel, Chief Technology Officer RWE Offshore Wind: “Together with our partner, Norges Bank Investment Management, we are well on track with the construction of Thor – Denmark’s largest offshore wind farm to date. The safe installation of the monopiles is testament to the expertise, dedication and collaboration of the entire team involved.”

The monopiles are around 100 metres in length and weigh up to 1,500 metric tonnes each. This is roughly equivalent to the weight of 1,000 small cars. The monopiles were shipped from the heavy-lift terminal in Eemshaven, in the Netherlands, to the Thor construction site in the Danish North Sea. Located approximately 22 kilometres off the west coast of Jutland, the installation of the monopiles was completed by Jan De Nul with their vessel “Les Alizés”.

Rather than using a monopile foundation topped with an overlapping separate transition piece, extended single monopiles were installed and secondary steel structures, including boat landings, will be fitted offshore. Secondary steel structures for the Thor foundations are being handled from the Danish Port of Thyborøn and installation works will be completed later this year. The control centre for managing marine logistics and traffic throughout the offshore construction phase is also based in Thyborøn.

To protect the monopiles from the harsh conditions at sea until the turbine towers are mounted next year, [innovative reusable hard covers](#) will be installed. Usually, the covers are disposed of after use because they are tailor-made to a specific offshore project. The covers used at Thor are reusable and so reduce waste and increase circularity whilst the initiative exemplifies RWE’s dedication to sustainable practices.

Delivery of Thor offshore wind farm well underway

The turbine installation works are scheduled to be carried out from the Port of Esbjerg in Denmark, starting in 2026. Thor will be the first offshore wind farm in the world to use 36 turbine steel towers that have been manufactured with a lower carbon footprint. In addition, half of the turbines will be equipped with recyclable rotor blades.

When fully operational in 2027, Thor offshore wind farm will be capable of producing enough green electricity to supply the equivalent of more than one million Danish households. The wind farm's operations and maintenance plan envisages creating 50 to 60 local jobs in a new service building at the Port of Thorsminde. Construction of the new RWE service building is already underway, and is scheduled to be finalised by the end of 2025.

Thor offshore wind farm, which will have a capacity of 1,080 megawatts, is a joint project of RWE (51%) and Norges Bank Investment Management (49%). RWE is in charge of the construction and operations throughout the lifecycle of Thor offshore wind farm.

Leading global player in offshore wind

RWE already has 19 offshore wind farms in operation globally, including Rødsand 2, located south of the Danish island of Lolland. In addition to Thor in Denmark, the company is currently building three major offshore wind farms: the Sofia offshore wind farm (1.4 GW) in the UK, the Nordseecluster (1.6 GW, RWE share: 51%) off the German coast and OranjeWind (795 MW, RWE share: 50%) in the Netherlands.

For more information about RWE's Thor offshore project, please visit thor.rwe.com.

For further enquiries: Sarah Knauber
Press Spokesperson
RWE Offshore Wind GmbH
M +49 162 25 444 89
E sarah.knauber@rwe.com

Images for media use are available at the [RWE Media Centre](#).

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Forward-looking statements

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RWE Offshore Wind GmbH | Group Corporate Communications & Public Affairs | RWE Platz 4 | 45141 Essen | Germany
T +49 201 5179-5008 | communications@rwe.com | www.rwe.com/press

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