

## Press release

# Thor: RWE secures all main components for its 1,000-megawatt offshore wind farm in Denmark

- **Agreements signed for turbines, foundations, export and inter-array cables as well as for the onshore and the offshore substation**
- **Local Danish companies involved**
- **Thor to supply green electricity to more than one million Danish households**

Copenhagen, 25 April 2023

Progress is being made on Thor, Denmark's largest offshore wind farm to date. RWE has selected the preferred suppliers for all main components for the wind farm. With a planned capacity of more than 1,000 megawatts, Thor will be built in the Danish North Sea, approximately 22 kilometres from Thorsminde on the west coast of Jutland. Once fully operational, which is planned no later than end of 2027, Thor should be capable of producing enough green electricity to supply the equivalent of more than one million Danish households.

**Sven Utermöhlen, CEO RWE Offshore Wind:** "With Thor, we will massively contribute towards Denmark's ambitious climate targets. In order to deploy this offshore project, we will rely on our track record of more than 20 years in offshore wind and on experienced suppliers. Based on an extensive procurement process we selected the preferred suppliers and booked the necessary production slots for all main components. This is an important step towards implementing this large-scale project – especially against the backdrop of the current market situation."

### Wind turbines and foundations

36 monopile foundations will be manufactured by EEW SPC and further 36 monopile foundations and secondary structures will be delivered by Dajin Offshore. The foundations, which are up to 100 metres in length, will weigh approximately 1,500 tonnes. The Danish-British engineering company, Wood Thilsted, are the designers of the foundations. Jan De Nul Group will provide the vessel for the foundation installation works, which are expected to be carried out in 2025.

Siemens Gamesa has been selected to deliver 72 offshore wind turbines (SG 14-236 DD). 36 turbines will be equipped with CO<sub>2</sub>-reduced steel towers. The GreenerTower will ensure a CO<sub>2</sub> reduction of at least 63 percent in the tower steel plates compared to conventional steel. By being the first developer in the world piloting these towers, RWE makes a significant step towards producing even more sustainable wind power.

Fred.Olsen Windcarrier will provide the vessel for the turbine installation. The installation works are scheduled to be carried out from the Port of Esbjerg in Denmark, starting in 2026. Both RWE and Siemens Gamesa intend to draw on the skilled local workforce during both construction and commissioning of the project, both in the harbour as well as offshore.

### **Transmission system**

A joint venture between Hellenic Cables and Jan De Nul Group was selected to provide the entire cable package. The two companies will manufacture and install 60 kilometres of export cables on the 30-kilometre-long cable route from the offshore wind farm to shore and approximately 200 kilometres of inter-array cables. Offshore installation and commissioning of the cable system is expected in 2025.

In addition, the joint venture will manufacture and install the onshore cables from the landfall to the onshore substation, which will be built by Siemens Energy in the municipality of Lemvig. Siemens Energy will carry out the civil engineering and construction works together with MT Højgaard Danmark, one of Denmark's leading companies for large-scale building and infrastructure projects. It is expected that construction activities for the onshore substation can be kicked off in the next couple of weeks.

HSM Offshore Energy has been selected for the engineering, procurement, construction, installation and commissioning of the offshore high voltage substation and its jacket foundation. Installation of the jacket foundation and substation topside is expected to take place in 2025 – followed by the commissioning and testing of the offshore substation in 2026.

### **RWE in Denmark**

RWE is a leading global player in renewables. Globally RWE is investing more than €50 billion gross by 2030 to grow its green core business. As part of this, the Thor project will help to support the company's goal to grow its global offshore wind capacity from 3.3 to 8 gigawatts by the end of the decade. Since 2010, RWE has already completed and now operates the Danish Rødsand 2 offshore wind farm, which is located south of the Danish island of Lolland. RWE has offices in Copenhagen and Thorsminde and an operation and maintenance base in Rødby. RWE employs around 75 people in Denmark.

*For more information about the Thor offshore project, please visit: [thor.rwe.com](https://thor.rwe.com)*

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## **RWE**

RWE is leading the way to a green energy world. With an extensive investment and growth strategy, the company will expand its powerful, green generation capacity to 50 gigawatts internationally by 2030. RWE is investing more than €50 billion gross for this purpose in this decade. The portfolio is based on offshore and onshore wind, solar, hydrogen, batteries, biomass and gas. RWE Supply & Trading provides tailored energy solutions for large customers. RWE has locations in the attractive markets of Europe, North America, and the Asia-Pacific region. The company is responsibly phasing out nuclear energy and coal. Government-mandated phaseout roadmaps have been defined for both of these energy sources. RWE employs around 19,000 people worldwide and has a clear target: to get to net zero by 2040. On its way there, the company has set itself ambitious targets for all activities that cause greenhouse gas emissions. The Science Based Targets initiative has confirmed that these emission reduction targets are in line with the Paris Agreement. Very much in the spirit of the company's purpose: Our energy for a sustainable life.

### **Forward-looking statements**

*This press release contains forward-looking statements. These statements reflect the current views, expectations and assumptions of management, and are based on information currently available to management. Forward-looking statements do not guarantee the occurrence of future results and developments and are subject to known and unknown risks and uncertainties. Actual future results and developments may deviate materially from the expectations and assumptions expressed in this document due to various factors. These factors primarily include changes in the general economic and competitive environment. Furthermore, developments on financial markets and changes in currency exchange rates as well as changes in national and international laws, in particular in respect of fiscal regulation, and other factors influence the company's future results and developments. Neither the company nor any of its affiliates undertakes to update the statements contained in this press release.*

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