# GE Renewable Energy selects Mammoet to supply onshore heavy lifting and transport for Dogger Bank Wind Farm

November 21, 2022

- *Cranes will support staging of 277 sets of blades, nacelles, and towers at Able Seaton Port*
- *Project will become largest offshore wind farm in world when complete*

Mammoet crane
**PICTURE CREDIT**: Mammoet
**IMAGE/JPEG · 8.25 MB**

**Teesside, UK, Monday, November 21 –** GE Renewable Energy announced today that it has selected Mammoet UK, based in Thornaby Teesside, to supply onshore heavy lifting and transport for the staging and assembly of turbine components for the Dogger Bank Wind Farm. Dogger Bank Wind Farm is a joint venture between SSE Renewables, Equinor and Vårgrønn.

Mammoet will employ multiple lifting and transport crews for simultaneous operations to support with the loading of equipment and tower assembly in the marshalling harbor, a key piece in constructing the project. The team will utilize cranes and self-propelled modular transporter (SPMT) axles at Able Seaton Port, the Dogger Bank Wind Farm marshalling harbor.

GE will start preparing the marshalling harbor and receiving components at the end of 2022.

Nathan Fahey, GE Project Director for the Dogger Bank Wind Farm, said, “We are delighted to announce that we have selected Mammoet UK as our cranes and logistics supplier for the Dogger Bank Wind Farm. The cranes and associated equipment the company will provide and operate for us will be essential to the smooth operation of our marshalling harbor on Teesside, where 277 sets of blades, nacelles and towers of our Haliade-X wind turbines will be erected and transit over the course of the project. We believe Mammoet has the right expertise and equipment to be an excellent partner for us.”

Darren Adams, Mammoet’s Group Commercial Officer, said, “Mammoet is delighted to work in close partnership with GE to help build the world’s largest offshore wind farm. The project is a large step towards a net-zero future, delivering a boost for the local economy and wider 2030 and 2050 emissions targets. By utilizing Mammoet’s strong presence in the UK, headquartered from Teesside, backed up by its network of international engineering hubs, we will enable the delivery of clean, cost-efficient energy to around six million homes.”

Simon Bailey, Commercial Director for Dogger Bank Wind Farm, said: “We’re delighted to see another company from the north-east of England winning valuable contracts in our supply chain and playing a significant role in the construction of the world’s largest offshore wind farm. We look forward to working with GE and Mammoet on achieving this exciting milestone at Able Seaton.”

GE Renewable Energy announced in May 2021 that it had finalized all supply contracts for the 3.6 GW Dogger Bank Offshore Wind Farm, due to become the largest offshore wind farm in the world upon completion.

Dogger Bank Wind Farm is located over 130 km off the north-east coast of England and each phase will be able to produce 6TWh of renewable electricity, totaling 18TWh annually, when complete in 2026 - equivalent to powering approximately the equivalent of six million UK homes each year or around 5% of the UK’s electricity demand. Due to its size and scale, the site is being built in three consecutive phases: Dogger Bank A, Dogger Bank B and Dogger Bank C.

Mammoet UK’s headquarters in Teesside sits on a six-acre site located just 12 miles from the project and employs over 180 full-time employees. The facility consists of offices, storage, workshop space and testing areas. Mammoet has also established an academy on the site, where it plans to train additional crews as part of the resourcing plan. This local presence is critical to the success of the project.

“This contract represents not just a win for Mammoet and renewable energy investment but for the people of Teesside,” said UK Managing Director, Mark Sadler. “Securing the project means even greater potential investment and business growth that will expand our existing pool of highly skilled labor with renewables expertise in the region. We have a great opportunity to support GE Renewables and other businesses building the UK’s fast-growing offshore wind energy market.”

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**About GE Renewable Energy**
GE Renewable Energy, an integral part of the GE Vernova portfolio of energy businesses, is a $16 billion business which combines one of the broadest portfolios in the renewable energy industry to provide end-to-end solutions for our customers demanding reliable and affordable green power. Combining onshore and offshore wind, blades, hydro, storage, utility-scale solar, and grid solutions as well as hybrid renewables and digital services offerings, GE Renewable Energy has installed more than 400+ gigawatts of clean renewable energy and equipped more than 90 percent of utilities worldwide with its grid solutions. With nearly 40,000 employees present in more than 80 countries, GE Renewable Energy creates value for customers seeking to power the world with affordable, reliable and sustainable green electrons.

GE Vernova, a dynamic accelerator comprised of our Power, Renewable Energy, Digital and Energy Financial Services businesses, focused on supporting customers’ transformations during the global energy transition.

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**About Mammoet**
Mammoet helps clients with Smarter, Safer and Stronger solutions to any heavy lifting or transport challenge. We aim to develop long-term relationships in order to understand their businesses and challenges best, so we can realize the most efficient and cost-effective approaches. We have a unique global network and an unparalleled fleet of equipment. Through deep and longstanding engineering expertise and the highest quality and safety standards in execution we bring an intelligent and flexible approach to projects across a wide breadth of industry sectors. Clients trust us to help them achieve feats that were once considered impossible, and we have often broken records in doing so.

**About Dogger Bank Wind Farm:**

- The 3.6GW Dogger Bank Wind Farm will be the world's largest offshore wind farm when completed in 2026.
- It is being built in three 1.2GW phases: Dogger Bank A, B and C.
- The project is a joint venture between SSE Renewables (40%), Equinor (40%) and Vårgrønn (20%).
- SSE Renewables is lead operator for the development and construction of Dogger Bank Wind Farm. Equinor will be lead operator of the wind farm on completion for its expected operational life of around 35 years.
- Financial Close on Dogger Bank A and Dogger Bank B was reached in November 2020, with Financial Close for Dogger Bank C reached in December 2021. Taken in aggregate, reaching Financial Close on all three phases of Dogger Bank Wind Farm is the largest offshore wind project financing to date globally.
- Consent for Dogger Bank Wind Farm was granted in 2015.
- Each of the three phases of Dogger Bank Wind Farm secured 15-year CfD contracts for 1.2GW of low carbon power production in the UK's third CfD Allocation Round, announced September 2019.
- In May 2021, Dogger Bank Wind Farm took another major step forward after passing a required delivery milestone under the UK's Contracts for Difference scheme for low carbon power.
- Dogger Bank Wind Farm is located in the North Sea, with each phase more than 130km from the Yorkshire Coast.
- Onshore construction began in 2020 and is currently underway for Dogger Bank A and Dogger Bank B, while offshore construction on Dogger Bank C began in Spring 2022. First power is expected in Summer 2023 and Summer 2024 for Dogger Bank A and B, respectively, with commercial operations to follow around 6 months later.
- Onshore cable installation civils works for Dogger Bank C started in Q1 2022, with construction of the onshore convertor station to commence later this year. Offshore export cable installation will commence in Q1 2024 with offshore platform installation to commence in Q2 2024.
- Foundation installation on Dogger Bank C will commence in Q3 2024 while turbine installation will commence in Q2 2025. First power is anticipated in Q3 2025 and full power in Q1 2026.
- Dogger Bank Wind Farm is fully committed to supporting the UK offshore wind supply chain. To date we estimate more than 2,000 UK roles have been created or supported in relation to the construction and operation of the wind farm.
- 470 jobs are expected to be recruited by GE Renewable Energy across the northeast of England in support of the delivery and operation of all three phases of the project. These will be made up of around 300 skilled roles for turbine installation and commissioning activities and 170 servicing roles at Port of Tyne under GE's five-year Service and Warranty Agreements for Dogger Bank phases A, B and C once operational.
- At least a further 30 roles will be hired by Equinor as operator of the wind farm, based at the Port of Tyne or offshore.
- 170 new full-time UK-based jobs will be created by North Star Renewables in crewing and shore-based roles for the operation of the service fleet for Dogger Bank Wind Farm.
- Up to 100 peak construction jobs will be created by Jones Bros. Civil Engineering, one of the UK's leading civil engineering contractors, on the installation of onshore cable infrastructure for Dogger Bank A and B.
- Dogger Bank A and B has confirmed GE's Haliade-X 13MW as the turbine powering the first two phases of the project. As the first order for the Haliade-X 13MW, installation at Dogger Bank A will be the first time the turbine is installed in the world.
- Installation of GE's upscaled Haliade-X 14MW turbine at Dogger Bank C will be the first time the 14MW turbine is installed in the world.
- One rotation of the Haliade-X turbine blades can power one UK home for more than two days.
- The wind turbines will be installed on monopile foundations.
- Dogger Bank will be the first High Voltage Direct Current (HVDC) connected wind farm in the UK. Due to its distance from shore, it introduces new transmission systems to the UK, paving the way for other large offshore wind farms.
- Around 10,000 people, including world leaders, have signed their name on a Dogger Bank turbine as a symbol of their support for climate action. The names will appear on one of the first turbines to be installed on the wind farm from 2023.
- For more information about Dogger Bank Wind Farm visit www.doggerbank.com

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