

How much electricity will be produced?



The project will have a capacity of **1.4** GW



It will provide power to around **1.3** million homes in the UK¹

What will the benefits to the local economy be?

Ørsted is committed to investing in the Humber region and supporting education and employment creation. We have developed an employment and skills plan to highlight employment and supply chain opportunities associated with the construction, operation and maintenance of an offshore wind farm project.

We are also investing £10 million to build our largest offshore wind operations base in Grimsby, the East Coast Hub.

We are keen to continue to forge links with UK based suppliers to continue to develop the UK supply chain.

What is happening onshore?

The onshore cable route for Hornsea Two will broadly follow the route taken for the cables on Hornsea One. The cables will make landfall at Horseshoe Point and will connect to the National Grid substation at North Killingholme. All cables will be buried underground and Horizontal Directional Drilling (HDD) will again be used to minimise the impacts on roads and network rail infrastructure.

¹ We have based this on the BEIS 5-year average load factor of 38.6% and a household consumption of 3,828 kWh per year. Source: BEIS DUKES (2018), BEIS ECUK (2018)

What makes this project special?

At 1.4 GW, Hornsea Two will overtake Hornsea One as the world's biggest offshore wind farm. The project will use Siemens Gamesa 8 MW SG 8.0-167 DD turbines which will deliver 20% more annual output than those used for Hornsea One. The majority of the blades will be delivered from the Siemens Gamesa factory in Hull. The project will use the world's largest offshore substation and will deliver the most affordable electricity from offshore wind to date.

// Hornsea Two is a game-changing renewable energy project in terms of both size and cost. Large infrastructure projects like these have their challenges, but with each project we have built we are able to improve efficiencies. We continue to engage with local communities and interested parties on key developments in the project. We are very proud to be a part of the ongoing offshore wind development in the region, and we are very happy to continue our commitment to invest in the UK.

Duncan Clark, Project Director

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Cover image: Scarborough

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Hornsea 2 Offshore Wind Farm



January 2019

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Welcome to Hornsea 2

Hornsea Two is the sister project to Hornsea One and comprises of 165 turbines with a combined total capacity of 1.4 GW.

Ørsted is a renewable energy company that takes tangible action to create a world that runs entirely on green energy.

We are undertaking a truly green transformation by divesting our oil and gas business and phasing out coal from our power stations worldwide. We have invested significantly in the UK, where we develop, construct and operate offshore wind farms and innovative waste-to-energy technology. We also provide smart energy products to our commercial and industrial customers.

We are committed for the long-term, both to leading the change to green energy, and to investing in the communities where we operate.



Where is Hornsea 2?

Hornsea Two will be located approximately 89 km (55.3 miles) off the Yorkshire coast in the North Sea, adjacent to Hornsea One which is currently under construction.



Ownership

Hornsea Two is 100% owned by Ørsted.

How big is it?

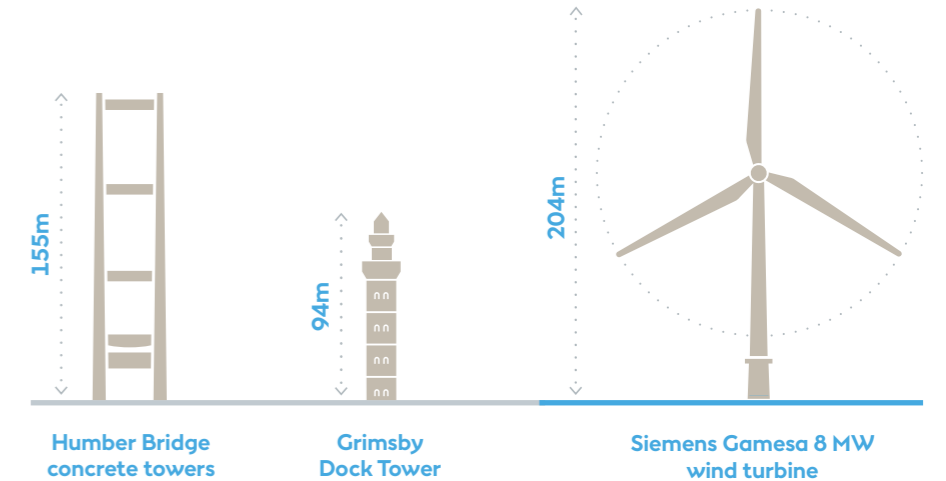
Hornsea Two will span an offshore area of

462 km²

This is equal to **66,000** times the size of Blundell Park, home of Grimsby Town F.C.



The 89 km distance from the shore to the wind farm is greater than the distance from Hull to York



August 2016
Secretary of State grants Development Consent Order



September 2017
Contract for Difference awarded to the Project and Final Investment Decision made



April 2018
Site investigations offshore and enabling works on the onshore substation commenced



July 2018
Construction of onshore substation commenced



Q2 2019
Onshore cable installation work begins



2020
Offshore construction begins



2022
Hornsea Two becomes fully operational