

The image shows a vast offshore wind farm in the middle of the ocean. Several large white wind turbines with three blades each are visible, spaced out across the horizon. The sky is a clear, light blue with a few wispy clouds. In the foreground, a small blue and white service vessel is moving across the water, leaving a white wake. The overall scene is bright and clear, suggesting a sunny day.

Orsted
Community
Newsletter

June
2018

Hornsea Project One & Two Offshore Wind Farms

Welcome to the updated community newsletter for Hornsea Project One & Two

It is a very exciting time for our projects which will be the largest in the world once complete. We have a fantastic team working together to construct Project One, and Project Two is ramping up on its enabling works to prepare for construction. This newsletter provides an update on the construction works and highlights our activities in the region.

Enjoy,



Duncan Clark

Programme Director, Hornsea One and Two

About Ørsted

We are a renewable energy company with a goal, **to create a world that runs entirely on green energy**. Climate change is one of the biggest challenges for life on Earth. Today, the world runs mainly on fossil fuels. We need to transform the way we power the world, from **black to green energy**.

We have invested significantly in the UK, where we now develop, construct and operate offshore wind farms and innovative waste-to-energy technology. Over the last decade, we have undergone a truly green transformation, halving our CO₂ emissions and focusing our activities on renewable sources of energy.

We want to revolutionise the way we provide power to people by developing market leading green energy solutions that benefit the planet and our customers alike.

Where are Hornsea Project One and Hornsea Project Two?



 Hornsea Project One & Two

 Hornsea Project Three

Hornsea Project One is located 120 km from the Yorkshire coast. Hornsea Project Two is adjacent to Project One and will be situated 89 km from the coast.

Hornsea Project Three is currently in its development and planning stage and will connect into the National Grid in Norfolk. To find out more, please visit www.hornseaproject3.co.uk

Hornsea Project One Offshore Wind Farm



Project One has a capacity of 1.2 GW



It will provide enough power for well over 1 million homes



The area covered is equal to 58,500 Blundell Park football pitches, the home of Grimsby Town F.C.



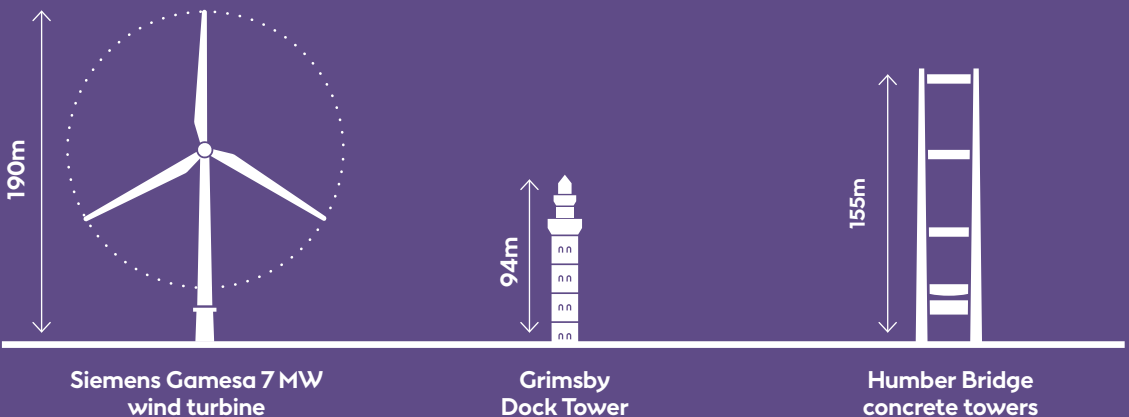
The project is as far away from shore as Hull is from Hartlepool as the crow flies



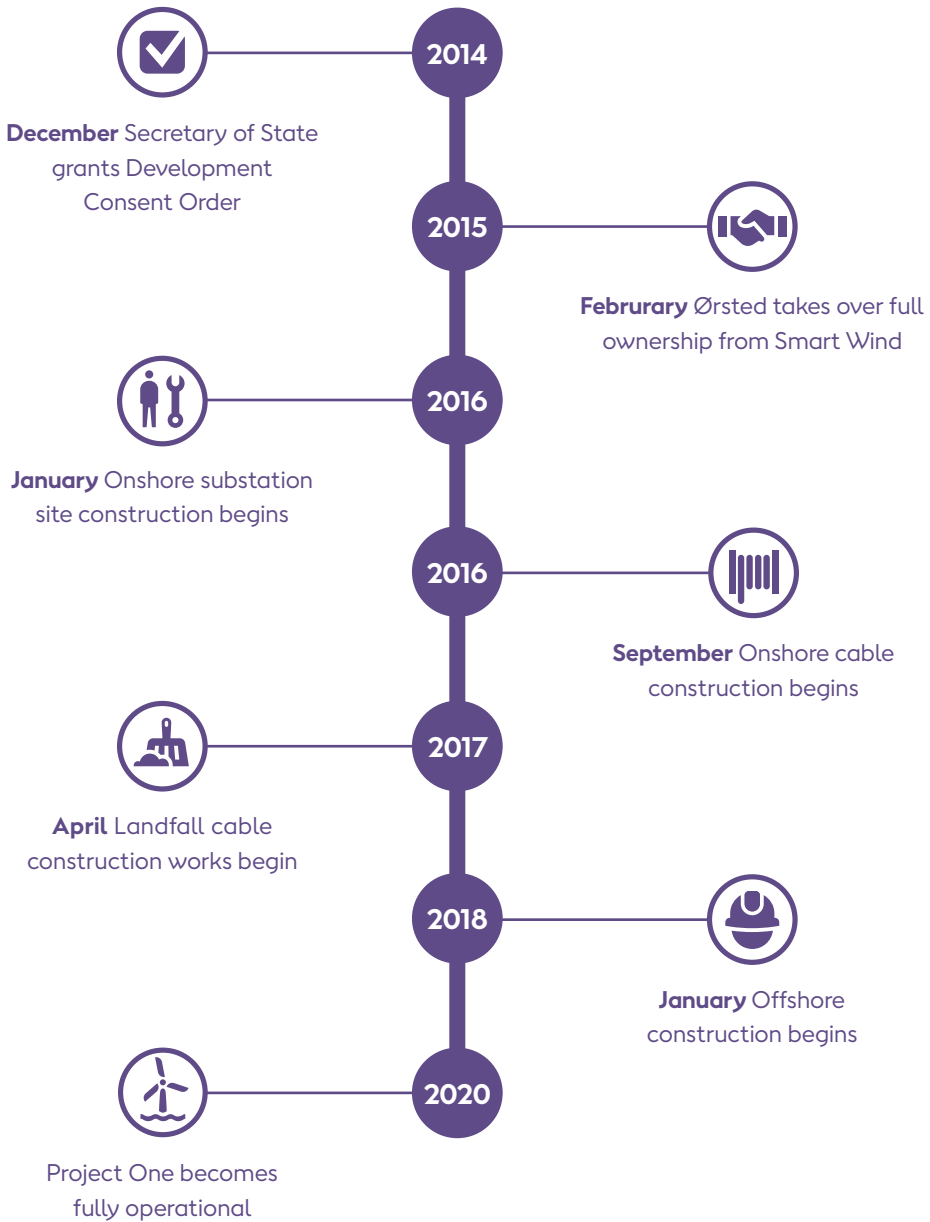
One of the three offshore substations has now been installed



Over a third of the turbine foundations have been installed



Hornsea Project One timeline



Latest news

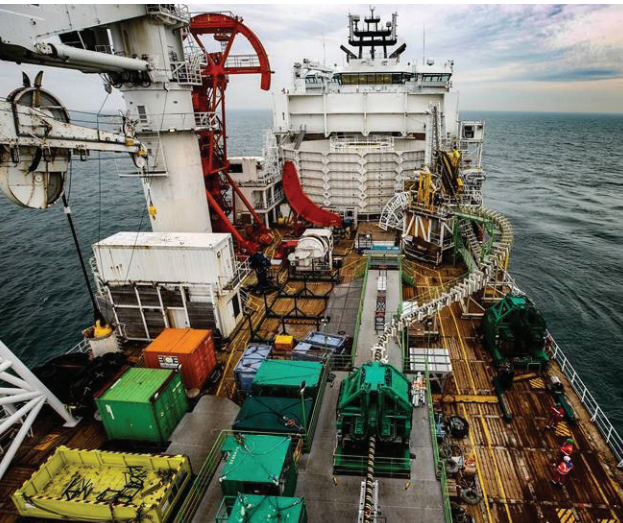
The installation of the monopiles and transition pieces continues for Hornsea Project One. These are the foundations and the bases onto which the towers and turbines are installed.

At the time of writing 60 out of the 174 monopiles and transition pieces have been installed.



GeoSea's installation vessel, Innovation, departs with foundations for Hornsea Project One

Source: DEME Group



Ocean Yield's cable lay vessel, Lewek Connector

Source: Tideway BV

The first section of the offshore export cable was installed in April 2018. Tideway BV is carrying out the cable lay for the first section using Ocean Yield's cable lay vessel, Lewek Connector. The offshore export cable will transport electricity from the offshore substations to shore.



HA-Z12

Three offshore substations will be used for the project, the first of which was fully installed in May 2018. The substations are in place to boost the voltage of the electricity before it travels along the cables back to shore.

Hornsea Project Two Offshore Wind Farm



Project Two has a capacity of 1.4 GW



It will provide enough power for well over 1.3 million homes



Located 89 km off the coast of Yorkshire



Onshore substation enabling works began in April 2018 and archaeological investigations on the onshore cable route began in May 2018

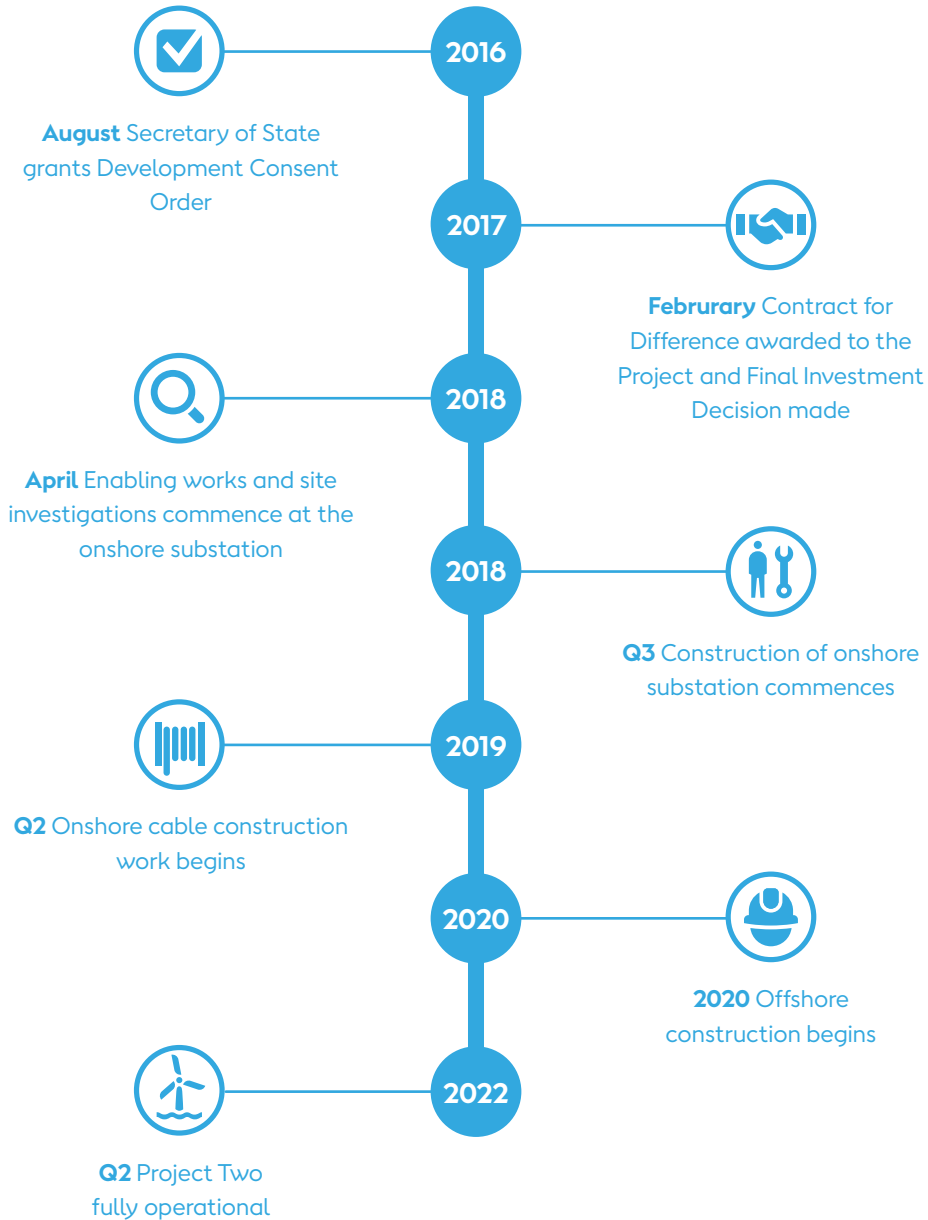


The onshore cable route will run in parallel to that of Project One between landfall at Horseshoe Point and the onshore substation in North Killingholme



Project Two is due to be completed in 2022

Hornsea Project Two timeline



Latest news

Onshore enabling works have commenced at the substation in North Killingholme. The team is preparing the area for the start of construction works, due later this year.

Regular and meaningful engagement with local communities is important to us. The project team has attended local parish council meetings to share information and respond to questions. We will be holding a number of events later this year and into 2019 to fully communicate our plans to local residents as Hornsea Project Two progresses.



Fugro Gauss Vessel

Source: Hans Westhoff for Maritime Connector

Offshore, site investigation specialist, Fugro, has mobilised a number of vessels to begin geophysical survey and geotechnical sampling work. Geophysical surveys are used for mapping the seabed structures and identifying potential hazards. They enable us to understand the make-up of the seabed without using any digging, drilling or tunnelling. The information obtained through these surveys will feed into cable design and installation plans. Geotechnical sampling is required to support the outputs of the geophysical survey and to assist with cable design and wind turbine foundation design.



Great crested newt

Source: Google

Ecology surveys for great crested newts have started. We are currently undertaking a Phase One habitat survey which reviews the presence of other protected species along the cable route such as otters, bats and water voles.

Would you like to learn more about the world's largest wind farms?

We are hosting a community exhibition this summer to present our latest offshore wind farm projects in the Humber region, Hornsea Project One and Two.

This event is taking place on:

Wednesday 11 July 2018

11:00 – 18:30

The Assembly Room, Grimsby Town Hall

This is an opportunity for you to find out more about the projects, meet members of the project team and ask questions about our work in the Humber region.



Community

Ørsted in the Humber region



Morten Holm speaking at the Offshore Wind Connections Conference 2018

Source: Team Humber Marine Alliance

Offshore Wind Connections Conference

In April 2018, we were proud to sponsor the sixth annual Offshore Wind Connections Conference in Hull. The event provided an opportunity for our Lead Stakeholder Advisor, Emma Toulson, and the Head of Operations for Hornsea Project One, Morten Holm, to showcase the pioneering work being carried out by Ørsted at the forefront of offshore wind and renewable energy in the UK.

Ørsted is committed to highlighting the strategic locational advantages that the Humber region provides. The conference enabled us to demonstrate why this region is the perfect place for us to build some of the world's largest offshore wind farms.

East Coast Community Fund awards

In May 2018, the results of the latest round of the East Coast Community Fund awards were announced by our partners, GrantScape. 19 projects were successful in their applications and grants totalling £205,825 have been awarded. Two of the most recent successful applicants to the fund are featured below.



Lincolnshire Gliding Club – High Flying Girls

"We are thrilled to receive this support from Ørsted. We aim to inspire young women by showing how they can achieve something incredible, and to open their eyes to their own potential. We want to raise awareness of opportunities in aviation and STEM careers, and the experience that High Flying Girls gain will be invaluable for demonstrating confidence, teamwork and safety consciousness in any future application for further education or jobs. This grant enables us to provide opportunities to people who would not realise that they too can fly high!"

Katharine York,
Treasurer of Lincolnshire Gliding Club



Holton-le-Clay Cricket Club – ground improvements

"Holton-le-Clay Cricket Club are delighted to have been awarded a grant from the East Coast Community Fund. The club was destroyed in a fire in 2015 and has been building itself up again ever since. The grant towards new mobile sight screens and netting will allow us to continue to engage and enthuse those that already attend our cricket sessions and encourage wider participation."

Robert Griffin,
Junior Coach, Holton-le-Clay Cricket Club

Community engagement methods

We have a range of engagement initiatives which allow you to follow the progress of the projects or to contact us with questions. These include:



Local community events

Join us at our upcoming community exhibition on 11 July at Grimsby Town Hall (for full details please go to page 11 of this newsletter). Further events will be held over the coming months and details will be provided in due course.



Local engagement

The project team meets with several parish councils to share plans and engage with the local community.



Website

orsted.co.uk



Freephone Information Line

0800 111 4478

The Freephone information line is open for calls between 9am and 5pm, Monday to Friday, with an answer phone facility to take messages outside these hours.



Community Liaison Officer

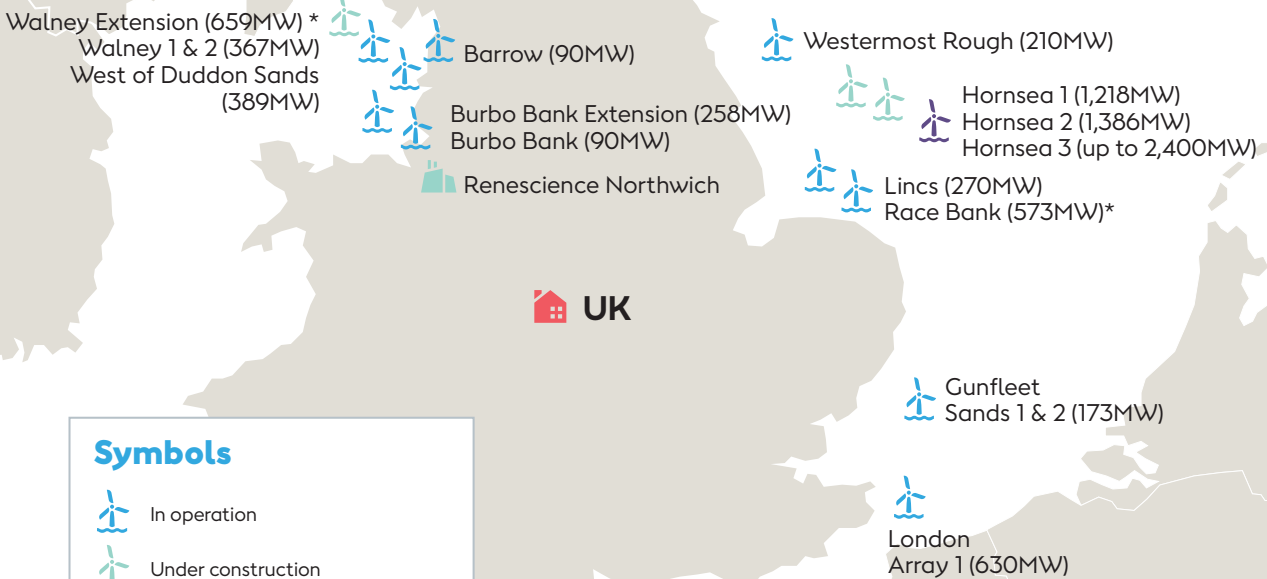
Dereth Morgan

We have a dedicated Community Liaison Officer who covers both projects in an onshore capacity. Dereth acts as the first point of contact for onshore related queries from the local community.

Dereth can be contacted by calling 07472 617 839. Dereth's email address has recently been updated to receive enquiries relating to both projects. Please email her at:

community@hornsea1and2.co.uk

Our activity in the UK



Symbols

- In operation
- Under construction
- In development
- (MW)** Total wind farm capacity
- Under construction
- Sale of power and/or gas

* These wind farms will move into the operations phase in 2018

Contact us

To find out more or to ask any questions about Hornsea Project One or Hornsea Project Two offshore wind farms:



**Call the Freephone project information line
on 0800 111 4478**

**(9am to 5pm, Mon-Fri, with an answer phone
facility to take messages outside of these hours)**



**Email us:
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