



Ørsted
Community
Newsletter

December
2018

**Hornsea
1 and 2
Offshore
Wind Farms**

Welcome to the latest community newsletter for Hornsea 1 and 2

We have achieved a lot this year on Hornsea Project One, and with all onshore cables now laid and tested, we are well on our way to completing reinstatement works. We have also started the pre-assembly work for the turbines at Alexandra Dock in Hull.

Recently, we appointed a Lancashire-based onshore cable installation contractor for Hornsea Project Two. Preparation for this part of the project is well underway with construction work scheduled to begin early next year.

This is our last newsletter before the end of 2018 and we would like to wish everyone all the very best over the holiday season.



Duncan Clark
Programme Director, Hornsea One and Two

About Ørsted

We are a renewable energy company with the goal **to create a world that runs entirely on green energy**. Climate change is one of the biggest challenges for life on earth; we need to transform the way we **power the world**.

We have invested significantly in the UK, where we now develop, construct and operate offshore wind farms and innovative biotechnology which generates energy from household waste without incineration.

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 the Hornsea offshore wind farm projects?



-  Hornsea Project One and Two
-  Hornsea Project Three
-  Proposed location of Hornsea Project Four
-  Operational Ørsted offshore wind farms

Hornsea Project One is located 120 km from the Yorkshire coast and is under construction offshore. Hornsea Project Two is adjacent to Project One and will be situated 89 km from the coast. Onshore cable works are expected to commence in March 2019.

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

Recently, Hornsea Project Four entered the pre-application consultation phase and is due to submit a Development Consent Order (DCO) application over the next couple of years. For further information on the proposals, please visit: hornseaprojects.co.uk/Hornsea-Project-Four

Hornsea 1 Offshore Wind Farm



Project One has a capacity of 1.2 GW



It will provide enough power for well over 1 million homes



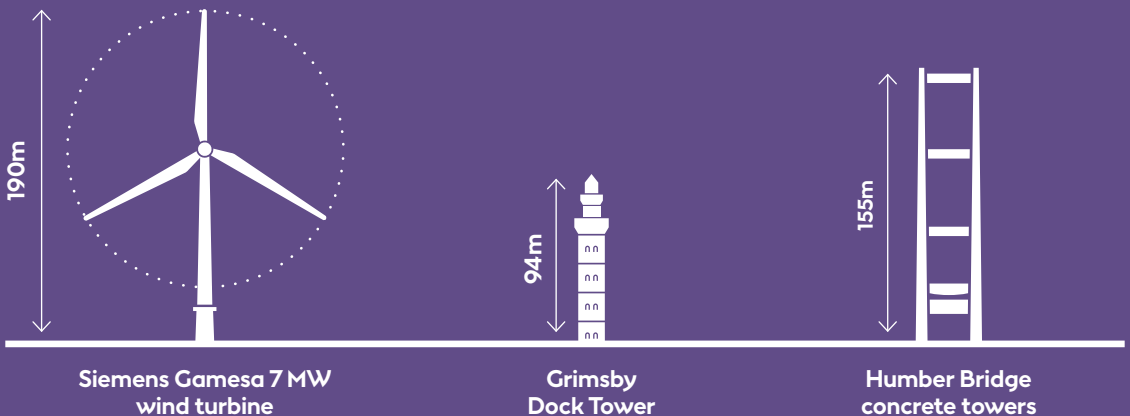
The project is as far away from shore as Hull is from Hartlepool as the crow flies



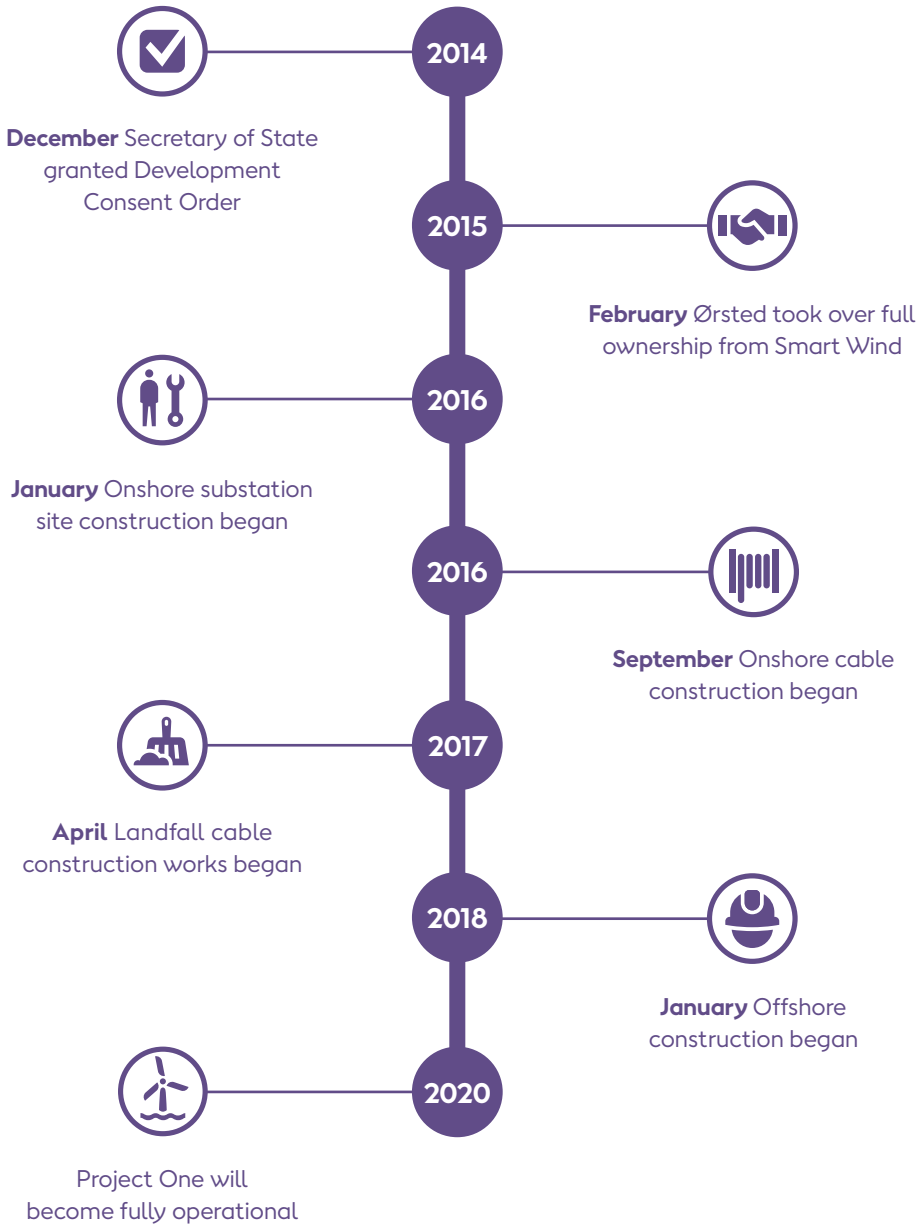
All onshore cables have been installed and reinstatement of the land has commenced



Over 110 transition pieces have been installed offshore



Hornsea 1 timeline



Latest news

All onshore cables along the 39 km route for Hornsea Project One have been installed and successfully tested. The cables total approximately 360 km in length and are joined at over 245 separate places. The team are now over halfway through works to reinstate the landscape back to its original condition.

This work involves carefully installing drainage, conditioning the subsoil and then replacing the topsoil which has been stored as mounds along the cable route. Hedgerows which were removed during construction are being replanted. We will also be making some enhancements to hedgerows for biodiversity- gain where practicable.

Turbine assembly is taking shape at Alexandra Dock in Hull. The first six turbine towers have been assembled and are ready to be loaded out in Q1 next year, firstly by Fred. Olsen Windcarrier's jack-up vessel Bold Tern and then joined by A2Sea's Sea Challenger vessel. In total, the project will consist of 174 Siemens Gamesa 7 MW turbines. The majority of the turbine blades will be manufactured at the Siemens Gamesa facility in Green Port Hull.



Cable joints in one of the 26 joint bays along the route



Pre-assembly of turbine towers
Photo credit: Jamie Hampton

Hornsea 2 Offshore Wind Farm



Project Two has a capacity of 1.4 GW



It will provide enough power for well over 1.3 million homes



The wind farm will be located 89 km off the coast of Yorkshire



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

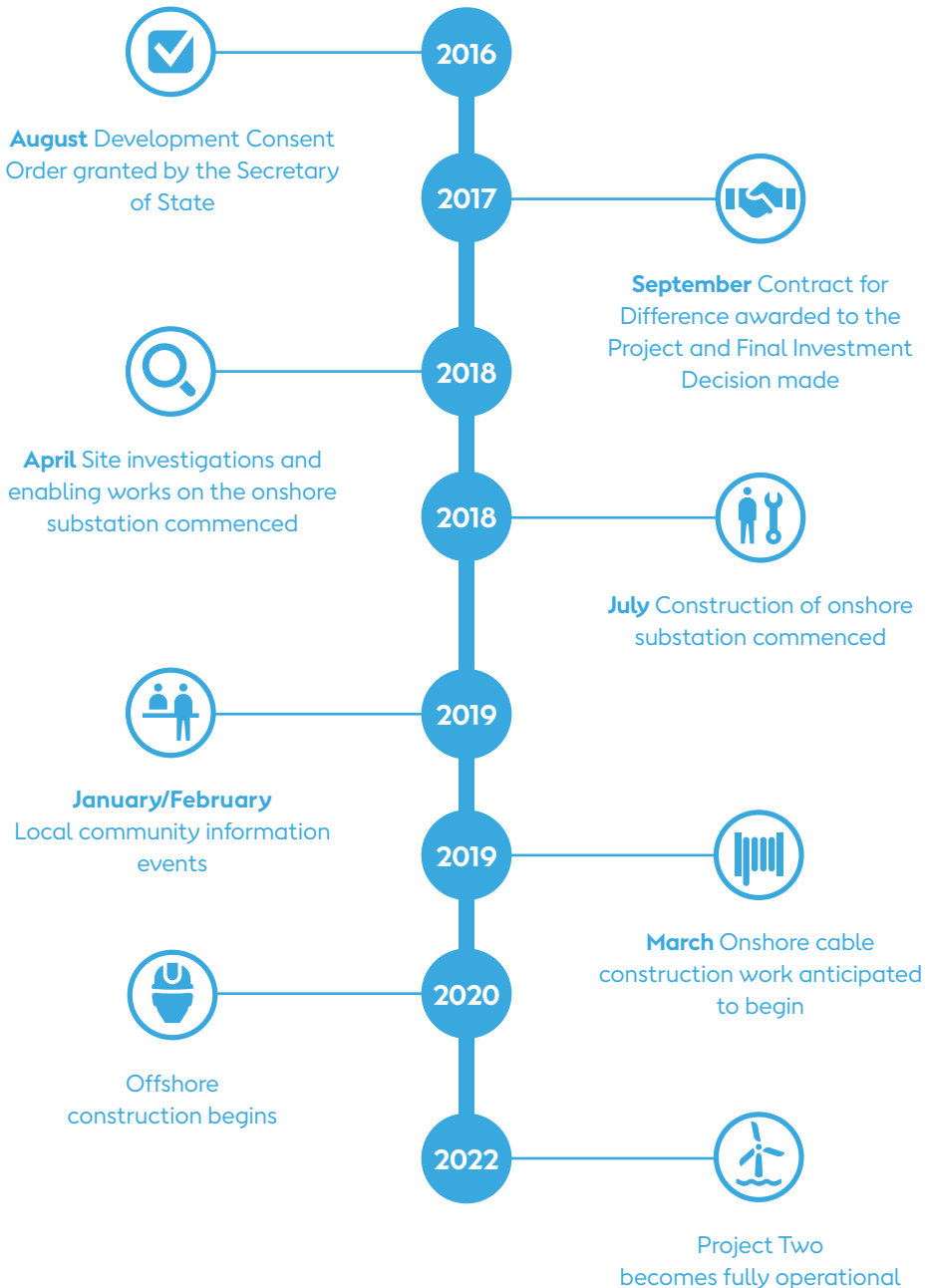


A contractor for onshore cable works has now been appointed and preparation is underway for this phase of the project



Archaeological investigations along the cable route are ongoing

Hornsea 2 timeline



Latest news

Contractor announcement

We have appointed Lancashire-based VolkerInfra as the principal contractor to help deliver 360 km of high voltage onshore cabling for Hornsea Project Two offshore wind farm. The multi-million pound contract will see VolkerInfra, high voltage cable system specialists, install three 220 kV circuits along the 39 km onshore cable route which runs from Horseshoe Point, east of Tetney, to the onshore substation site in North Killingholme.

“ The UK already leads the world in offshore wind capacity, and we are building the biggest offshore wind farms in the world here. Importantly, these projects will contribute significantly to reducing the UK’s carbon emissions, and they are also providing huge opportunities for UK businesses.

Duncan Clark, Programme Director for Hornsea Project One and Two

Construction of the onshore cable route is set to commence in March 2019. Further details of this route and the planned works will be available at three community events to be held on 30 January, 4 February and 5 February 2019. Further information on these events is available in the Community section of this newsletter.



VolkerInfra are specialists in high voltage cable installation

Onshore substation

Works continue apace on the onshore substation for Hornsea Project Two. We have now completed the majority of the first stage of works during which approximately 100,000 tonnes of earth were shifted to shape the foundations of the substation.

We are moving swiftly into our principal works phase which includes the construction of all above-ground structures. The steel frame for one of our main buildings has been completed ahead of schedule, and our buildings for dynamic reactive compensators are following closely behind.

At the start of 2019, our attention will be focused on turning these skeletons into recognisable buildings, with the external cladding and roofing operation expected to start just before Christmas 2018. Alongside the construction of these buildings, the reinforced concrete foundations for other buildings are also taking shape.



Steel frame under construction



Skeleton of the switchgear building

East Coast Community Fund awards

In October 2018, the results of the latest East Coast Community Fund awards were announced by our partners, GrantScape. 18 projects were successful in their applications and grants worth approximately £200,000 have been awarded. Two of the successful applicants from the latest round of funding are featured below.



Members of East Coast Gymnastics trying out the Fast Track on a trip to Robin Hood Gymnastics Club

The East Coast Gymnastics group will be using the grant from the East Coast Community Fund to purchase their own Fast Track for their facility in East Lindsey.



North Cotes Football Club Men's Squad

“ I am absolutely delighted that Ørsted have supported local grassroots football by providing North Cotes Football Club with the funding of £4,632.

This will allow the club to improve facilities at our home ground and train throughout the dark, winter months. This will enable us to take that next step forward. Overall, the funding will significantly aid the development of football in the local area. We cannot thank you enough!

Tom Dalziel, Chairman/Club Captain at North Cotes Football Club

“ We're over the moon with the grant award; the club can now purchase a valuable piece of equipment to enable our gymnasts to learn more difficult skills.

The club is so glad that funding sources like this are available for deprived communities like ours.

Fiona Ison, Level 4 Head Coach and Director of Coaching at East Coast Gymnastics

Hornsea 2 onshore cable route events

We welcome the local community to join us at one of three information events being held along the cable route corridor for our offshore wind farm, Hornsea Project Two. Meet members of the project team and learn more about our plans and programme of works.

Come along to:

South Killingholme Community Centre

DN40 3EU

Wednesday 30 January 2019

12:30 – 18:30

Waltham Windmill Golf Club

DN37 OHT

Monday 4 February 2019

12:30 – 18:30

Tetney Golf Club

DN36 5HY

Tuesday 5 February 2019

12:30 – 18:30



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 your questions. These include:



Local community events

We will be holding events in January and February 2019 to explain more about the onshore works for Hornsea Project Two.



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 Team

We have a dedicated Community Liaison Team who cover both projects in an onshore capacity. They are the first point of contact for enquiries from the local community.

You can contact our team by calling **07472 617 839**
or by emailing community@hornsea1and2.co.uk

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)**



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