

A photograph of an offshore wind farm in the ocean. Several wind turbines are visible, with one in the foreground on the right and others receding into the distance. The sky is a clear, pale blue, and the water is a deep blue. The turbines have white nacelles and blades, with yellow and red accents on the tower and hub.

Ørsted
Community
Newsletter

October
2018

Hornsea Project
One & Two
Offshore Wind
Farms

Welcome to the latest community newsletter for Hornsea Project One and Two

I am pleased to be able to tell you that good progress is being made on both projects. Offshore works are continuing on Hornsea Project One whilst construction has begun at the onshore substation for Hornsea Project Two in North Killingholme. We also have news on our recent engagement with local communities and our involvement in local initiatives.

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



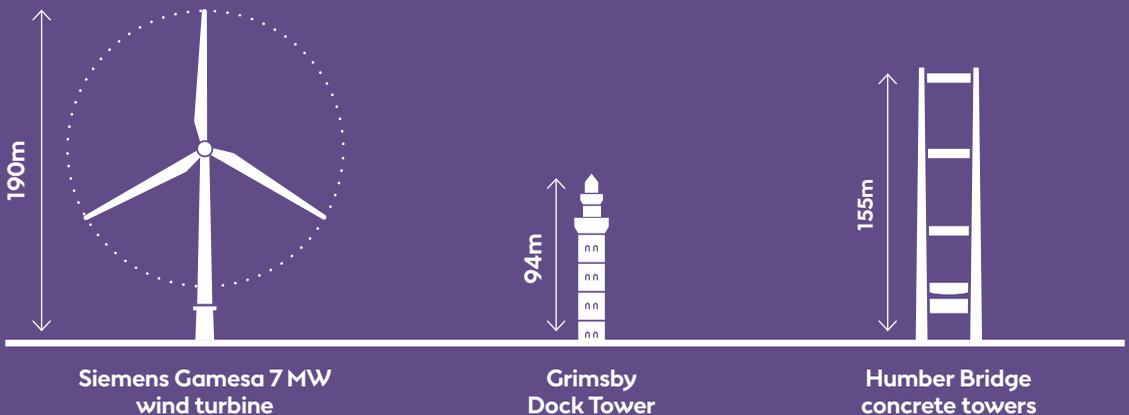
All onshore cables have been installed and reinstatement of the land has commenced



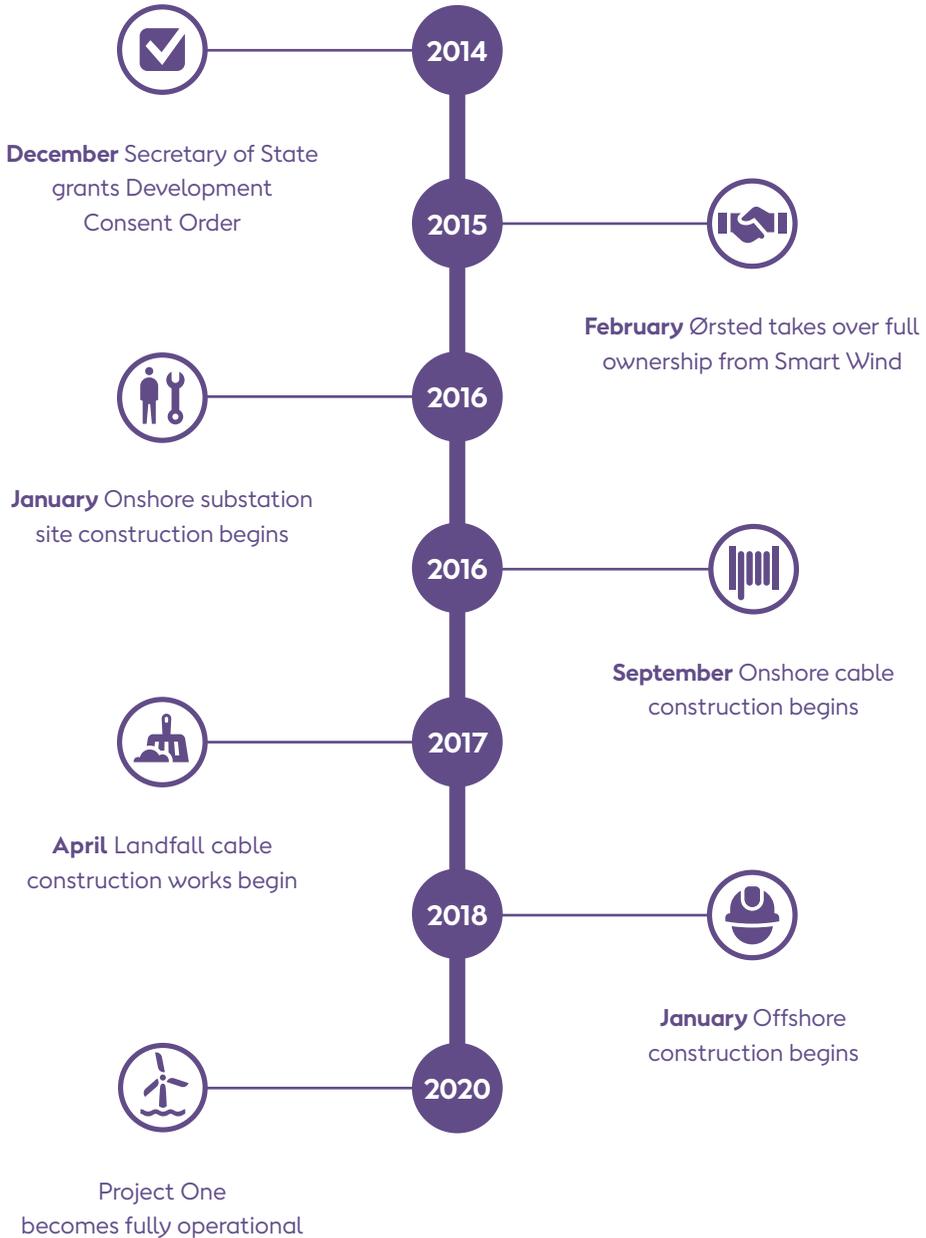
All four offshore topsides have now been installed



Over a third of the turbine foundations have been installed



Hornsea Project One timeline



Latest news

In July 2018, we finished Horizontal Directional Drilling (HDD) along the cable route for Project One. HDD is a construction technique that involves drilling underneath objects including roundabouts, railways and roads, to lay the onshore cable with minimal disruption. The team celebrated the successful completion of 202 singular drills across 64 HDD locations without any incident.

We are making excellent progress with offshore construction, with the final two substation topsides installed in August. We used the Saipem 7000 for this part of the construction. This enormous vessel weighs 118,000 tonnes and is almost 200 metres in length.



Horizontal Directional Drilling underway along the cable route.

Installation of the Reactive Compensation Station using the vessel Saipem 7000.



As Hornsea Project One is located 120 km offshore, our teams stay out at sea rather than make the journey back to shore each day. Two accommodation jack-up vessels are used, GMS Evolution and GMS Endeavour, and together they sleep up to 150 technicians. Safe access to the offshore substations is provided by a static gangway.



GMS Endeavour, accommodation vessel.



Static gangway used between the Reactive Compensation Station and GMS Evolution.

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



Construction of the onshore substation in North Killingholme began in July 2018



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

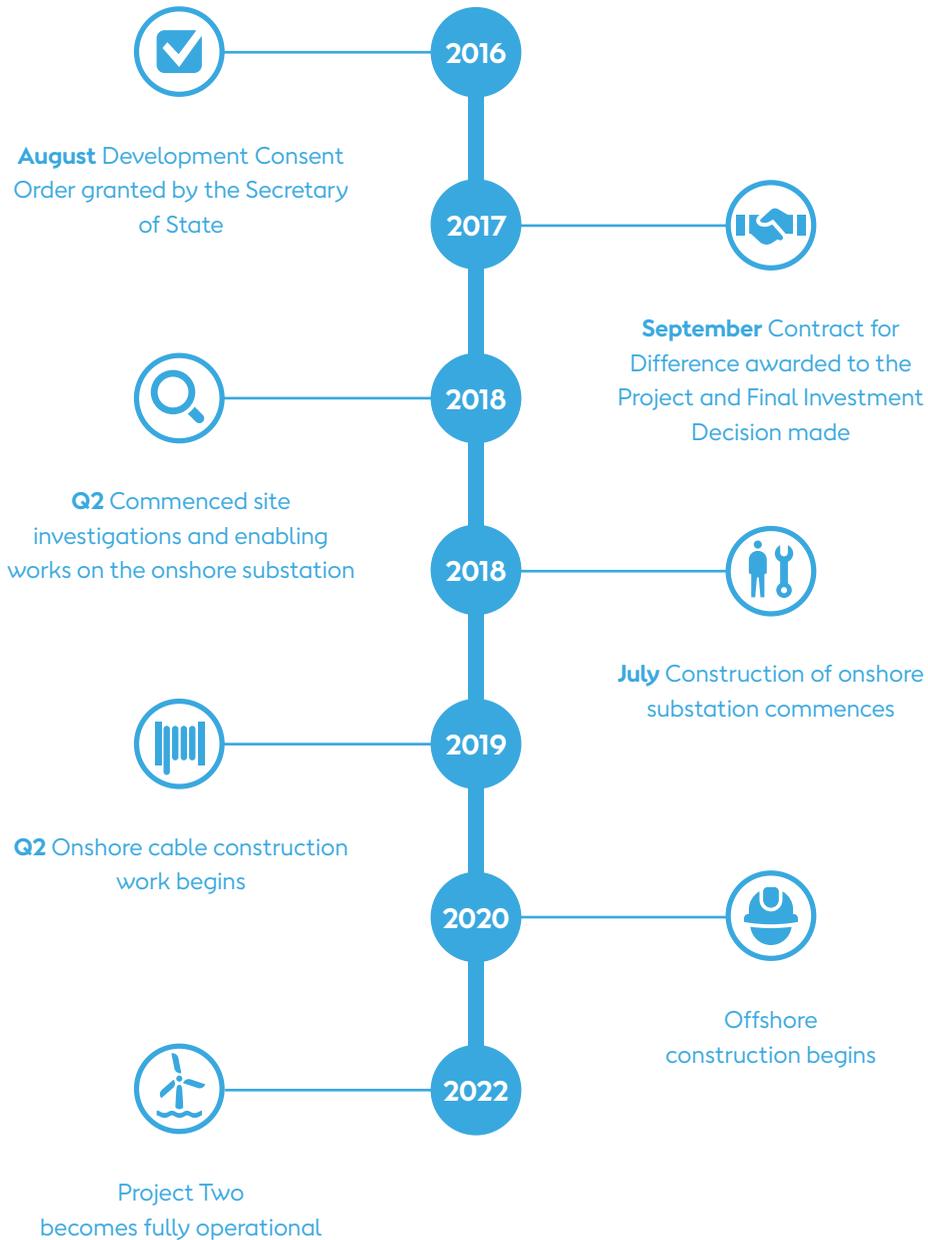


Archaeological investigations are underway along the onshore cable route



Project Two is due to be completed in 2022

Hornsea Project Two timeline



Latest news

Works have commenced at our onshore substation site in North Killingholme. The work is split into two main phases known as the enabling and main works phases. The enabling works included bulk excavation and mass fill which formed the platform of the new substation. Good progress was made on the installation of the below-ground infrastructure such as the drainage, ducting and earthing systems. This opened up the site for the commencement of the main works which cover all above-ground buildings and equipment bunds.



Aerial shot of the North Killingholme substation site showing the Hornsea Project One substation and adjacent land where preparatory works for the Hornsea Project Two substation are already underway.



SGRE blades loaded out from Greenport Hull.

In June 2018, Ørsted signed a contract with Siemens Gamesa (SGRE) to deliver 165.8 MW turbines. This is not only the largest wind project in Siemens Gamesa's history, but also the largest single order in the history of offshore wind energy. The majority of the turbine blades will be manufactured at the SGRE facility at Greenport, Hull. The project will use the first 81 m blades to be manufactured in the UK. These blades are as long as an Airbus 380's total wingspan, and when assembled the turbines will have a rotor diameter of 167 m, the largest currently on the market.

Next steps

We will be confirming our contractor for the onshore cabling works for Project Two this Autumn. Once a contractor has been appointed we will be holding information events along the cable route to provide information to local communities about the onshore works that will be happening nearby. These events are indicatively scheduled for early next year. In the meantime, we will be engaging with the local parish councils to provide an update on the works at the onshore substation in North Killingholme.

Community



Supporting local educational initiatives.



The Ørsted gazebo in People's Park.

North East Lincolnshire Skills Fair

As part of the East Coast Community Fund, £75,000 is ring fenced for skills initiatives each year.

The Grimsby Institute was awarded over £40,000 to develop an annual programme of events designed to excite, inform and spark the curiosity of over 2,000 students across the region. Part of this funding was used to deliver the Ørsted Science, Technology, Engineering and Mathematics (STEM) village at the North East Lincolnshire Skills Fair in July this year. The aim was to provide information to Year 10 students on the opportunities and career possibilities that are available in North East Lincolnshire within the renewable energy sector.

Ørsted Great Grimsby 10K

In July, we were proud to sponsor the third Ørsted Great Grimsby 10k. This year's event was the biggest to date with over 4000 runners tackling the course from Grimsby town centre to the finishing line in People's Park.

Runners and spectators alike enjoyed the sunny weather and the Ørsted team were on hand to talk to people about our wind farm operations. Building on the success of this event, we are delighted to announce that Ørsted has committed to a further two years of race sponsorship, helping to provide a low-cost race for people of all abilities in the town.

Ørsted would like to thank everyone who played a part in helping to make this year's event the most successful Grimsby 10k to date.

Community exhibition

In July 2018, we were proud to host the Hornsea Project One and Two community exhibition at Grimsby Town Hall.

The event attracted over 100 visitors, including the Leader of North East Lincolnshire Council and the Mayor of North East Lincolnshire. Exhibition zones were designed to provide an insight into all aspects of the project, ranging from offshore and onshore works, turbine technology and ecological and wildlife considerations to Ørsted's investment in the Humber region and commitment to the local community.

Members of the project teams from Ørsted, Siemens Gamesa and Wessex Archaeology were on hand to help visitors experience Virtual Reality tours of offshore wind farms, inspect genuine archaeological finds unearthed along the cable route and interact with models and videos of the technology, vessels and vehicles used to help realise our wind farms.



Community exhibition at Grimsby Town Hall

East Coast Skills Fund

The Skills Fund forms part of the wider East Coast Community Fund, and is aimed at organisations that can develop and deliver Science, Technology, Engineering and Mathematics (STEM) related training, education courses, or events. Previous beneficiaries include the Grimsby Institute, Alderman Peel High School and Boston College.

The latest round of applications for the Skills Fund, administered by our partners GrantScape, closed on September 12th and decisions will be announced at the end of October 2018. The deadline for the next round of funding will be January 23rd, 2019. For further information about the East Coast Community and Skills Funds and to find out how to apply for the next round, please visit www.grantscape.org.uk or call **01908 247634**.

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 next year to explain more about the onshore works for Hornsea Project Two. 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 Team

We have a dedicated community liaison team who cover both projects in an onshore capacity. They are the first point of contact for onshore queries 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**



**Email us:
community@hornsea1and2.co.uk**



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The Ørsted logo, featuring a stylized 'Ø' symbol followed by the word 'rsted' in a bold, sans-serif font.

Feedback

We want our newsletters to be informative and relevant. Help us to make sure they are by giving us your feedback.

Please fill in this short form and return it to the Freepost address below.

1. On a scale of 1 to 5, with 5 being the highest rating, how successful are the newsletters in keeping you informed about the plans and progress of each project?

1

2

3

4

5

2. How do you receive the newsletter?

Post

Community Access Point

Friends and family

Other

If other please specify:

3. Do you find the information in the newsletter easy to understand?

Yes

No

Please specify why:

4. Do you find our newsletters engaging?

- Yes
- No

Please specify why:

5. If you wish to provide any additional comments on the newsletters, please do so here:



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