

The background of the entire page is a photograph of a wind turbine under construction. The main focus is the white tower and nacelle of a turbine in the foreground, with another turbine's nacelle and blades visible in the background against a clear blue sky. The Orsted logo, a stylized 'O' with a power symbol inside, is positioned at the top left.

Orsted
Community
Newsletter

November 2021

**Hornsea
Two Offshore
Wind Farm**

Welcome to the latest community newsletter for Hornsea Two

I am delighted to announce that work on Hornsea Two remains on schedule as we are in the final stages of onshore activity on the project and offshore turbine installation continues to progress well. I would like to thank both Ørsted staff and our contractors for their continued hard work for keeping us on track for Hornsea Two to become fully operational in 2022.

I can also announce that our offshore works continue to progress on schedule as 100 of our 165.8 MW wind turbines have now been installed.

As our onshore works are set to be finalised by the end of this year, I would also like to thank the local community for their cooperation and engagement during the construction of Hornsea One and Two, and to thank the local community for their attendance at our recent archaeology event, where with help from Network Archaeology, findings from our cable routes were displayed so that residents could learn more about their local history.



Patrick Harnett

Senior Programme Director, Hornsea Two

About Ørsted

We are a renewable energy company with **the vision 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 focussing 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 One and Two

■ Hornsea Three

■ Proposed location of Hornsea Four

■ Operational Ørsted offshore wind farms

Hornsea One is located 120 km from the Yorkshire coast and is now commercially operational.

development consent from the UK Government. To find out more, please visit: [hornseaproject3.co.uk](https://www.hornseaproject3.co.uk)

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

Hornsea Three could generate enough green electricity to power well over 2 million UK homes and will connect into the National Grid in Norfolk. The project has recently been granted

Hornsea Four has recently undertaken a pre-application consultation and is due to submit a Development Consent Order (DCO) application later this year. For further information on the proposals, please visit: [hornseaprojects.co.uk/Hornsea-Project-Four](https://www.hornseaprojects.co.uk/Hornsea-Project-Four)

Hornsea Two offshore wind farm



Hornsea Two has a capacity of 1.4 gigawatts (GW)



It will provide enough power on average for more than 1.3 million homes



The wind farm is located 89 km off the coast of Yorkshire



The onshore cable route runs in parallel to that of Hornsea One – between landfall at Horseshoe Point and the onshore substation in North Killingholme



Hornsea Two is due to become fully commercially operational in 2022

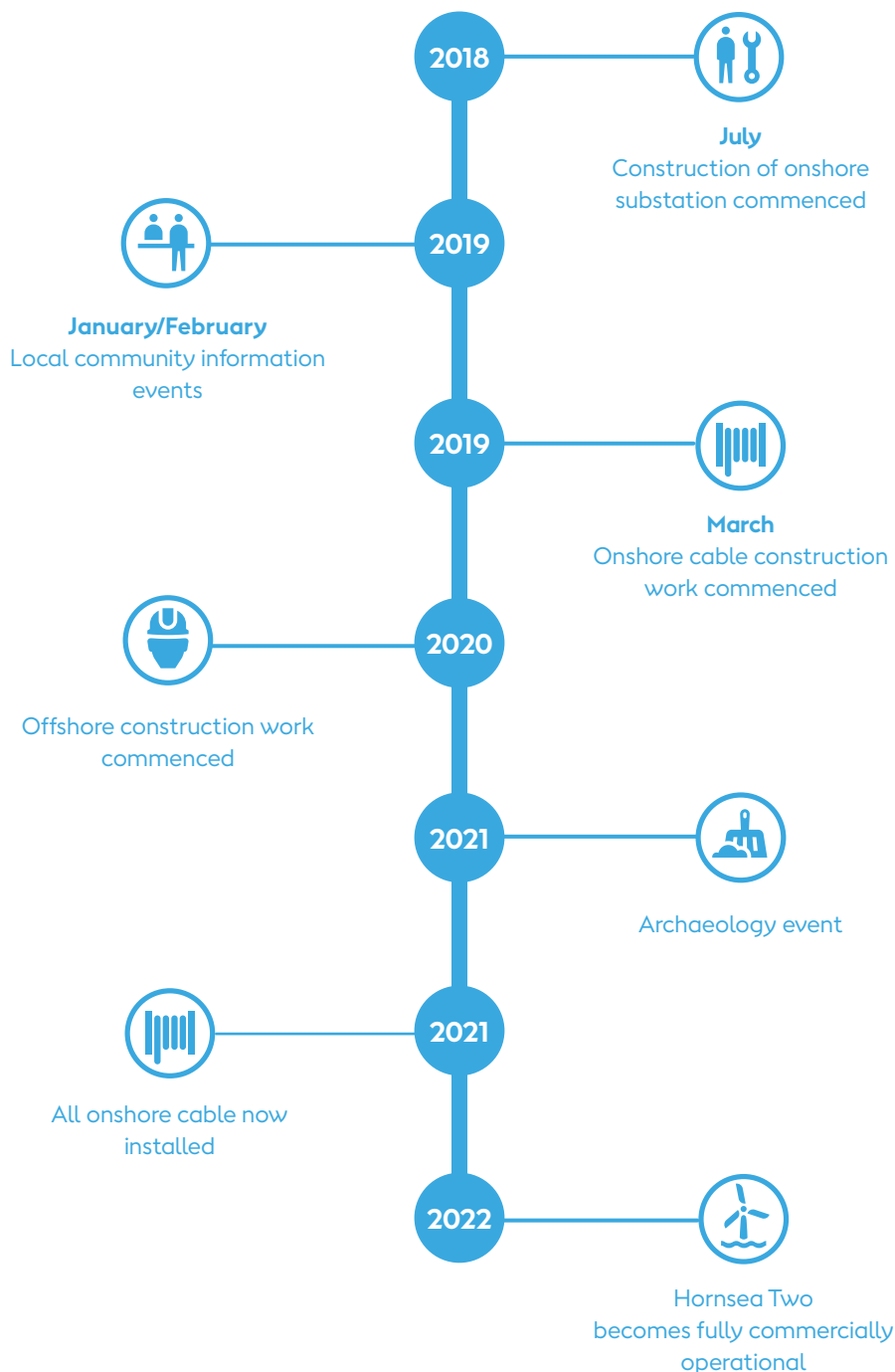


Onshore cables have now been installed



Archaeological investigations along the cable route have now been completed

Hornsea Two timeline



Latest news - offshore

We are delighted to announce that works offshore continue to progress well. In our previous newsletter we provided an update informing you that the first 8 MW turbine had been installed on Hornsea Two at the end of May. We can now inform you that 100 turbines have now been installed on Hornsea Two.

In the three months following the first turbine installation, a total of 50 turbines had been installed offshore with the help of DEMA Offshore's installation vessel Sea Challenger. Since then, DEMA offshore and Ørsted staff have continued to progress the installation of the turbines, which stand 200 metres above sea level and have a rotor diameter of 167 metres. Hornsea Two remains on schedule to install the remaining 65 turbines and become commercially operational in 2022.

We can also announce that Manor Renewable Energy has signed a contract to charter a new crew transfer vessel to support its work supplying temporary power solutions to Hornsea Two. The vessel is a 27-metre Crew Transfer Vessel capable of accommodating 24 passengers and three crew members for offshore personnel transfer.



Sea Installer, one of DEMA's offshore installation vessels



Ørsted Senior HSE advisor Charles Tapsell with Care Plus Group Administrator Rachel Branson.

Latest news - onshore

In our previous newsletter we informed you that the reinstatement along the onshore cable route had been completed. We also informed you that remaining onshore works are on schedule to be completed this year, we can now update you that this still remains to be the case thanks to the hard work of all the staff of Ørsted and our contractors.

Since the onshore cable route reinstatement was finalised, the focus of the project has predominantly been on the removal of our Tetney compound and any remaining cleaning that needed to take place along the cable route, alongside some other works such as hedgerow replanting. At Ørsted, we remain committed to leaving any impacted areas that we have been to be returned to its previous condition, if not even better and we will continue to do this for the remainder of Hornsea Two.

We can also announce that our Tetney compound has now been demobilised and the remaining staff are working from mobile offices. The gym that was

contained within the Tetney compound was no longer needed, so, we have donated it to Care Plus Group.

Care Plus is an organisation working in communities across North East Lincolnshire. A social business that provides community health and care services for adults of all ages and exists to support people to achieve their best quality of life. We are proud to be able to contribute in any way we can to an organisation that does such valued work.

A day in the life

At Ørsted, we are on a journey to create a world that runs entirely on green energy. Every one of our employees plays a vital role in working towards this vision.

In this edition, we are continuing to explore the work that is involved offshore, and more specifically the management of the two installation vessels and the activities associated with the load out of the turbine towers, blades and nacelles (also known as WTC components).

On our projects, the management of the transport and installation of WTC components on to a foundation is clearly important. This also partly involves coordinating between the vessel and turbine suppliers, as well as liaising with the

construction and array cable installation team to make sure that the process is as smooth and safe as possible.

Please meet Mark West, our Lead Specialist in Offshore WTC Installation who is currently working on Hornsea Two.

Following his completion of a Mechanical and Manufacturing Engineering degree at the University of Portsmouth, Mark gained experience working on rotating machinery in brewers and food suppliers. After this, Mark took his skills into the clean energy industry, where in Scotland he climbed onshore wind turbines to work on rotating equipment in the nacelles of the turbines.



Mark watching cables being installed offshore



Mark West
Lead installation Manager

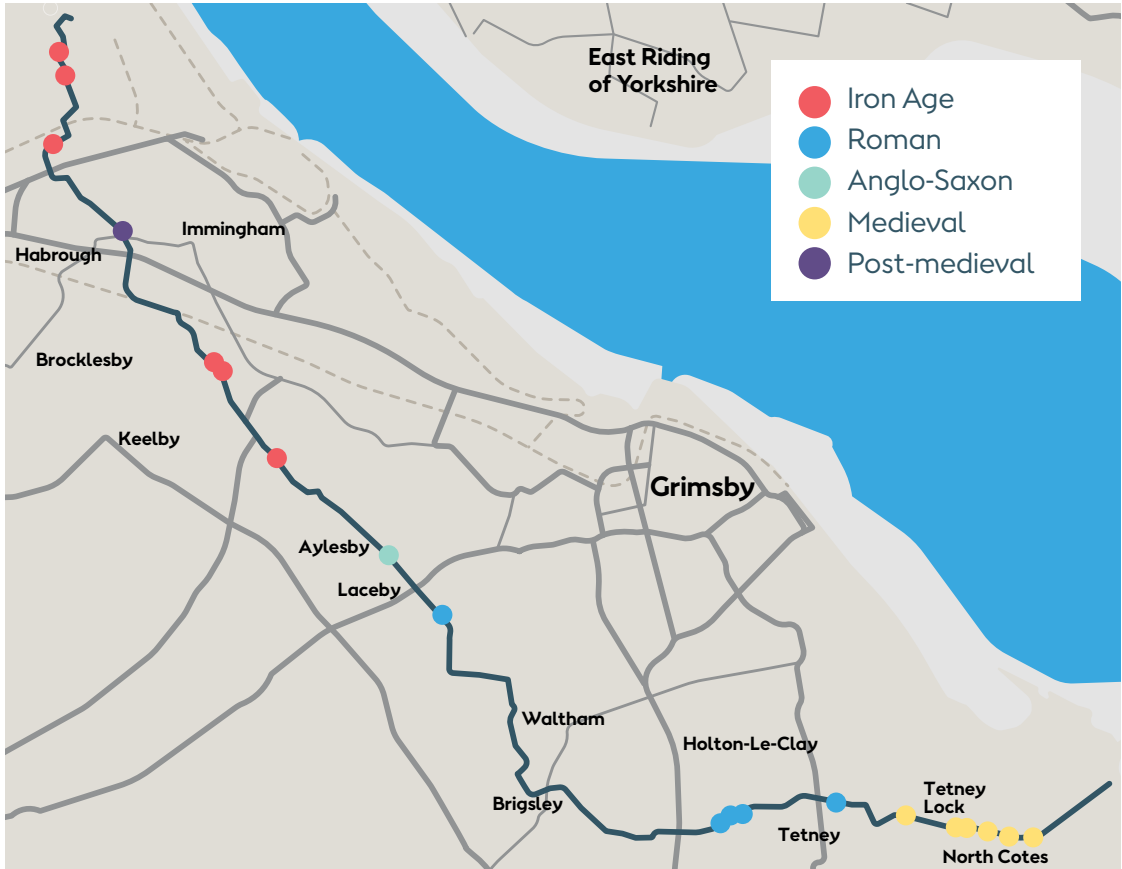
Mark explains:

As the lead installation manager for the Hornsea Two offshore wind farm, my responsibility is the management of the two installation vessels and all of the activities associated with the load out of the WTC components (towers, nacelles and blades), their transport and subsequent installation offshore on to a foundation. At first it was our responsibility to plan the fundamentals of the how the project will look during its execution, this has now progressed to a greater focus on the operation of the offshore wind farm. It is a constant priority of ours that the activities that we undertake are done successfully whilst ensuring the safety of all of our staff.

Our work can also be dependent on what the weather will allow us to do, so we spend a lot of time looking at weather forecasts and optimising the operations where we can make the most of the weather windows we have to work within. Other day to day tasks include tracking the progress of all the activities underway so that we can ensure they're carried out as successfully as possible. It is also our responsibility to manage and react to any troubleshooting tasks.

During the early stages of the project there is a fair amount of maths required to make sure the vessels and cranes you are hiring are capable of doing the task at hand. This then translates into a significant amount of interface management as the project develops. Having the ability to understand the technical aspects of the operation you are trying to achieve as well as good project management skills is an essential part of the role as an offshore installation manager. These skills will be pushed to the limit when things don't go quite to plan so also being an adaptable person who can think outside the box is a benefit. The best skill has to be the ability to stand back and take stock of the issues at hand. The contracts are often quite complex, and each party will have their own perspective, but being able to maintain the working relationships is a key part of the role and key to carrying out a successful project.

The last 18 months has seen us dealing with a new day-to-day challenge, Covid-19. New operational procedures have helped limit the effect of Covid-19 on our operations, although this has not always been easy. With so many people working in relatively close proximity for two weeks at a time its key to test people prior to them getting on to the vessels and ensure that isolation periods are maintained prior to joining the vessels. The contractors have done a great job so far, we have had some down time associated with Covid-19, but it has been manageable and was expected at some point on a project of this scale.



Historic cable route settlements through the ages

The posters will be gifted prior to the finalisation of the onshore works and we hope that any interested members of the local community will visit their local village hall/ community centre to learn even more about their local history. The poster includes some information on the archaeological finds and also includes a map (see above) of the cable route

with markers to show historic settlements that were evident in the local area.

We would like to thank the local community for their attendance and engagement at what was an enjoyable event to host, and we hope that those who did attend managed to learn something about their local history that they had not known previously.

Community feedback

At Ørsted, we greatly value our relationship with the communities that are in close proximity to our projects. This has continued to be the case throughout the development of Hornsea One and Hornsea Two, from our initial community engagement meetings prior to construction, our distribution of quarterly newsletters, the continued investment in the local area through our East Coast Community Fund, and our community information events.

The way we have engaged with you is important to us, and as the onshore construction of the project is set to be finalised later this year, we would like to understand your views on how you have found our ongoing community engagement. Your views will be essential in how Ørsted can continue to improve its relationship with the local community.

We would also like to thank the various residents and Parish Councils who provided their feedback during the archaeology event for their kind and constructive comments as we seek to understand what we did well when engaging with the local community and what we could improve on for future projects.

Have your say

We have put together an online feedback form where you can provide your views, please scan the QR code below by using the camera on your phone and this will take you to our community engagement feedback form, or use this link surveymonkey.co.uk/r/BNM9PWG

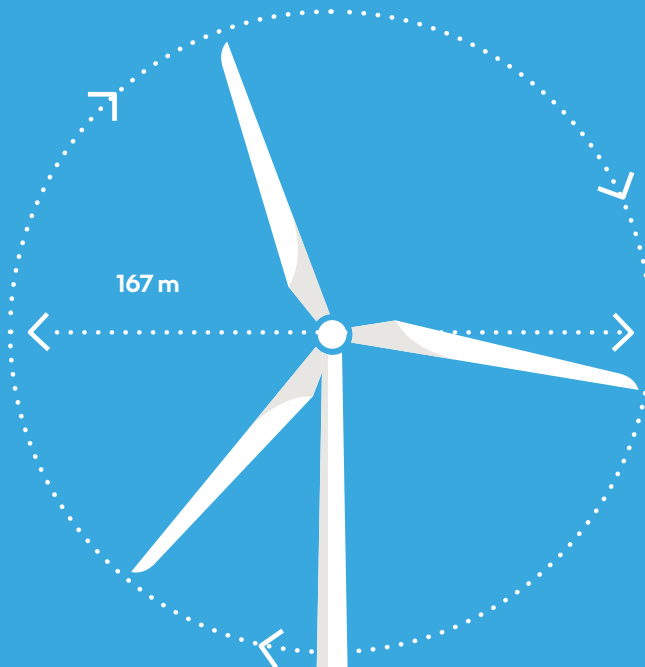


As a thank you for taking the time to do this, you will be entered in a draw to win a £50 Healing Manor gift voucher.

Hornsea Two wind turbine

8 MW Our turbines have an output of 8 MW

165 turbines will fill the array



Hornsea Two will provide enough power on average for
1.3 million homes

One turbine provides enough energy for
160,000
hour-long zoom calls

40 m height

East Coast Community Fund

Since the East Coast Community Fund (ECCF) was established in 2016, we are proud to announce that as of September 2021, over £2 million has been awarded to over 141 groups in the local community to support various causes and organisations, and to continue to provide financial support to those who have been profoundly affected by the pandemic.

Ørsted have committed to annual ECCF grants worth £465,000 and our previous funding round closed in February. We encourage applications from all groups who are interested in receiving funding to apply, with the next round of applications closing on 09 February 2022.

The following temporary criteria changes which were introduced last year will continue to be applied for this round of funding, to ensure that more groups and organisations will feel supported at this challenging time.

- No match funding will be required for all applications at this time.
- Re-application restrictions have been lifted. Any groups that have previously received a grant, have a live project or have been unsuccessful in the last round may re-apply.

All of Ørsted's Community Benefit Funds, including the ECCF, are administered by independent grant-making charity, GrantScape. The decision-making process is supported by a local Advisory Group (AG).

For more information, please visit:

orsted.co.uk/communitybenefitfunds

Contact GrantScape on 01908 247634 or via email at eccf@grantscape.org.uk



At Ørsted, we wanted to ensure that support will continue to be there for those groups who have been impacted by the pandemic. This is why we have awarded up to £550,000 in funding across our Community Benefit Funds directly related to the impact of Covid-19.

Imran Nawaz

Stakeholder Advisor and Community Benefit Fund Manager for Ørsted

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 engagement

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



Website

orsted.co.uk



Twitter

[@OrstedUK](https://twitter.com/OrstedUK)



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.



E-mail

by emailing community@hornsea1and2.co.uk

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