

A photograph of a man in a brown jacket lifting a young boy in a bright blue puffer jacket. The boy is smiling and has his arms outstretched. They are surrounded by many brown autumn leaves falling through the air against a light, overcast sky.

Ørsted
Community
Newsletter

October
2020

Hornsea
One and Two
Offshore
Wind Farms

Welcome to the latest community newsletter for Hornsea One and Two

I am delighted to announce that Hornsea One is now commercially operational and is officially the world's largest offshore wind farm. Once again, I would like to give credit to all the staff involved in this incredible achievement in delivering the project in under four years. Work on Hornsea Two remains on schedule despite the impact of the coronavirus.

These recent months have set challenges in our way that no one could have expected. Our teams have worked safely and tirelessly to overcome these and deliver a fantastic result with the commencement of our offshore construction works.

We have recently conducted a cable pull in at Lincolnshire's Horseshoe Point beach, which saw 2.4 km of cable being installed towards the landfall in preparation for what will be Ørsted's largest offshore wind farm.



Patrick Harnett

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, with extensive commissioning and testing taking place on site.

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 is currently in development and is expecting its planning decision on 31 December 2020. To find out more, please visit: www.hornseaproject3.co.uk

Hornsea Four has recently undertaken a pre-application consultation and will submit a Development Consent Order (DCO) application in due course. For further information on the proposals, please visit: www.hornseaprojects.co.uk/Hornsea-Project-Four

Hornsea Two offshore wind farm



Hornsea Two has a capacity of 1.4 GW



It will provide enough power on average for more than 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 Hornsea One — between landfall at Horseshoe Point and the onshore substation in North Killingholme



Hornsea Two is due to become commercially operational by 2022

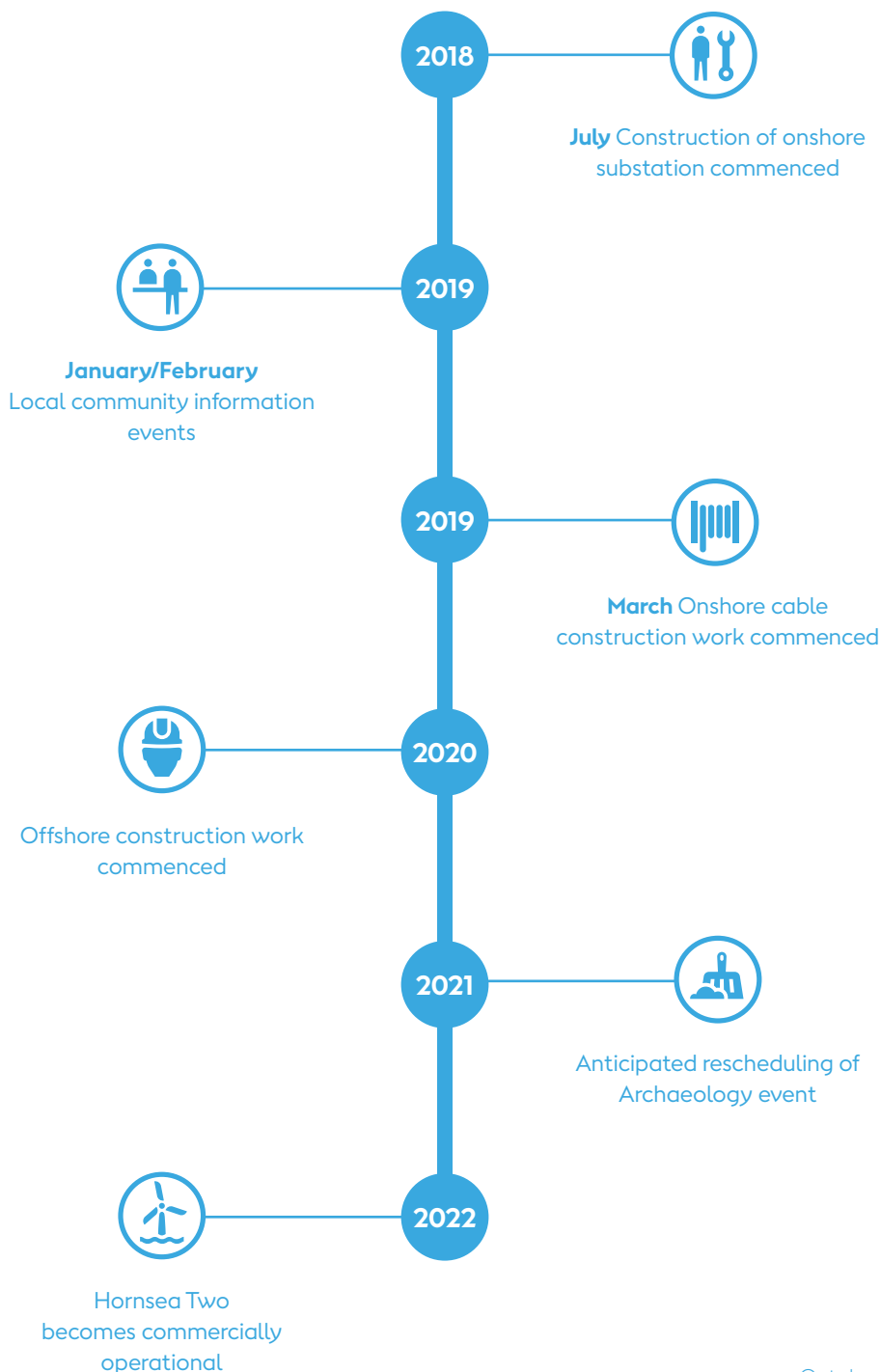


The onshore cables will be installed via ducts to speed up the cable laying process



Archaeological investigations along the cable route are ongoing

Hornsea Two timeline



Latest news

Construction work along the route has been ongoing and significant progress has been made. This includes our onshore cable route and onshore substation jointing and termination works, which are progressing well and on schedule. We have also commenced our offshore construction works.

In August 2020 we reached a significant milestone in installing 2.4 km of the total 39 km of cable towards the landfall site at Horseshoe Point and we reinstated the land on the beach at the end of September to look exactly as it did before. We will once again undergo this process when the other two cables are installed in 2021.

Ørsted was also pleased to make a new contract appointment that utilises the local supply chain. This includes Humberside Airport based CHC Helicopter, who has been awarded the contract for aerial transportation during the construction and operations phases of Hornsea Two. CHC will continue supporting Ørsted following on from providing helicopter transport and technician hoisting at Hornsea One.

We would like to reassure you that Ørsted is still planning to host an archaeology event in 2021, where members of the public will be able to view and discuss the findings that have been made along the cable route.



We are continually adapting and improving the way we work as we construct our sustainable offshore projects while the safety of our personnel remains of paramount importance to us.

We are pleased to work alongside partners who share our attitude towards safety and collaboration.

Jason Ledden, Senior Project Manager in Construction for Ørsted



Onshore substation update

Onshore substations are an important part of our offshore wind farms. They harness and manage the power generated by the turbines offshore and transform and refine the power for connection to the national grid system.

In this edition, we wanted to provide an update on progress of the onshore substation for Hornsea Two, which will be located adjacent to the current Hornsea One substation in North Killingholme. Once the substation is connected to the national grid, the clean electricity generated from Hornsea Two will help power over 1.3 million UK homes.

Construction of the onshore substation is being led by Balfour Beatty, a leading infrastructure group who have previously constructed the onshore substation for Hornsea One. Civil engineering works are progressing well across many individual structures within the footprint for the substation. Once complete, it will cover an area of 36,000 m², equivalent to over five football pitches.



Aerial photograph of the Hornsea Two onshore substation



Installation of the supergrid transformers

Work started on the onshore substation in April 2018 and works are set to be completed, on schedule and within budget, in January 2021. The substation is now entering its commissioning phase.

Current day to day activities on site include installation and testing of the fibre optic cables, earthworks and installation of electric fencing to the perimeter of the site, installation of supergrid transformers and high-voltage cables, and further electrical commissioning work.

We would like to thank Balfour Beatty for their continued efforts in building the onshore substation, which is an integral part in helping to deliver Hornsea Two safely and on schedule.

As outlined in our July 2020 newsletter, North Killingholme based contractor Fussey Engineering was also appointed to supply and install steel framework and cladding at the Hornsea Two substation site. They completed their works in April 2020, which involved using around 30 tonnes of locally sourced steel to construct the building annex which will house the switch gear that controls the feed into the national grid.

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 fulfilling this vision. Which is why it is especially important to keep our employees safe during the COVID-19 crisis.

In this edition, we are exploring the work that our Quality, Health, Safety and Environment (QHSE) team have carried out to ensure all our staff and members of the local community remain safe during the COVID-19 pandemic.

Please meet Charles Tapsell, our Senior QHSE advisor who is currently working on the Hornsea

Two cable route. Charles has previously worked on Hornsea One and his primary role is to provide support to Ørsted in managing any possible risks to Quality, Health, Safety and Environment relating to the construction, installation and commissioning of our offshore wind farms.

Charles explains:

My key responsibility is to provide expertise in managing QHSE related risks. This includes monitoring and evaluating the performance of our contractors, to make sure all members of the project continue to protect people and the environment at the highest level.



Quality, Health, Safety and Environment team

I also provide advice on many issues including legal compliance, leadership, company culture, contractor management, training and project delivery. These are all important areas as we look to continuously improve the way we work and provide safety and assurances to our staff and the wider community.

My experiences each day are often varied, although one thing that remains a constant is enforcing the importance of QHSE to all members of the project team and making sure that all practices are up to date. This can be challenging at times if some members of the team are used to older ways of working, however if I provide them with good personal knowledge of the task and a simple practical solution, then this is both beneficial towards the project and the relationships between different members of the team.

The work I do would also not be possible without the QHSE team, which consists of five employees often located at different parts of the onshore cable route. The team are vastly experienced in providing supervision in managing QHSE expectations across the project.

The role of QHSE senior advisor has been made even more challenging by the COVID-19 pandemic, especially considering that the project had government permission to continue construction during lockdown due to its critical importance to the UK's energy security.

As we had compiled a project readiness plan which ensured all suitable control measures were in place and continually reviewed, we are delighted to announce that not a single employee of the onshore cable route team has contracted the virus. Some of our implemented actions are as follows:



Senior QHSE Advisor: Charles Tapsell

- Firstly, to prioritise the safety of our more vulnerable members of staff, and on the 23 March these high-risk employees were sent home.
- Improve the safety of those remaining in our on-site offices through preventing any external visits which we deemed noncritical to the continuation of the project.
- Frequent temperature checks, which every employee has when entering and leaving each site access point/vessel.
- The staff can also undertake antibody testing every three weeks.

I really enjoy working as Ørsted's QHSE Senior Advisor for Hornsea Two and it is great to be playing a part in delivering our vision to create a world that runs entirely on green energy.

East Coast Hub – Offshore Wind Turbine Technicians

At Ørsted, every one of our employees plays a vital role in fulfilling our vision. The world's largest operations and maintenance base in Grimsby – the East Coast Hub – is home to over 350 Ørsted employees with more growth expected in the coming years.

In August 2020, we announced a recruitment campaign which promises over 20 new jobs to the East Coast Hub in Grimsby. This campaign will see 23 wind turbine technicians take to the water and help generate clean electricity for the country.

The new technicians will be offered the opportunity to work on Ørsted's wind farms located off the east coast, with a number working on Hornsea Two offshore wind farm, which once commercially operational in 2022 will consist of 165 wind turbines.

Over half of employees in Grimsby work as wind turbine technicians and over 80% of our workforce live within an hour's drive of the facility, with local talent encouraged to apply for roles within Ørsted.



Thanks to my time in the forces, I was able to transfer a number of my existing skills to the role that I'm in now. Every day is different and I'm encouraged to think creatively about new ways of working. My colleagues are fantastic and morally I'm proud to playing my part in the battle against climate change.

Paul Hazell, former Royal Artillery Soldier and Officer, is based locally and is working as Operations Manager for Hornsea Two at Ørsted



East Coast Community Fund

In May 2020, we marked another important milestone, with over £1.5 million awarded in funding to the local community from the East Coast Community Fund since 2016.

Ørsted have committed to the East Coast Community Fund (ECCF) grants worth £465,000 annually, with two funding rounds each year. The latest deadline for our application submissions passed on 29 July 2020, and we look forward to announcing successful applications in October 2020. The closing date for our next round of applications is on 3 February 2021 and we are currently accepting applications.

If your community has been affected by COVID-19, we encourage you to apply to the ECCF so that you could potentially receive support.

The following temporary criteria changes will apply to the early 2021 rounds of each Fund:

- 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.

For more information on the Fund and to check eligibility criteria, please visit:

www.orsted.co.uk/communitybenefitfunds

All of Ørsted's Community Benefit Funds, including the ECCF, are administered by independent grant-making charity, GrantScape.

You can contact GrantScape on **01908 247634** or via email at **eccf@grantscape.org.uk**



At Ørsted, we are proud to have a strong community engagement programme as we value our relationships with the people who live in close proximity to our projects. As part of our community engagement programme we wanted to continue to provide support in these unprecedented times.

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.



Community liaison officer

We have a dedicated CLO, Dereth Morgan, who covers both projects in an onshore capacity. Dereth is the first point of contact for onshore enquiries from the local community.

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



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