

Ørsted  
Community  
Newsletter

February  
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. Its delivery in just under four years represents a massive achievement for all those involved. Work is also well underway for Hornsea Two, with over one third of the onshore cable having been installed to date. The completion of Hornsea Two is expected to make an important contribution towards meeting the UK's goal for renewable electricity generation and the UK's energy security and carbon reduction objectives.

Aside from construction activity, in September 2019, we were proud to officially open the world's largest offshore wind operations and maintenance facility in the heart of Grimsby – the East Coast Hub. This world-leading facility not only reaffirms and secures our commitment to the region, but also helps to ensure that Grimsby continues to be a key hub for the UK's renewable energy industry.



**Patrick Harnett**  
Programme Director, Hornsea Two

## About Ørsted

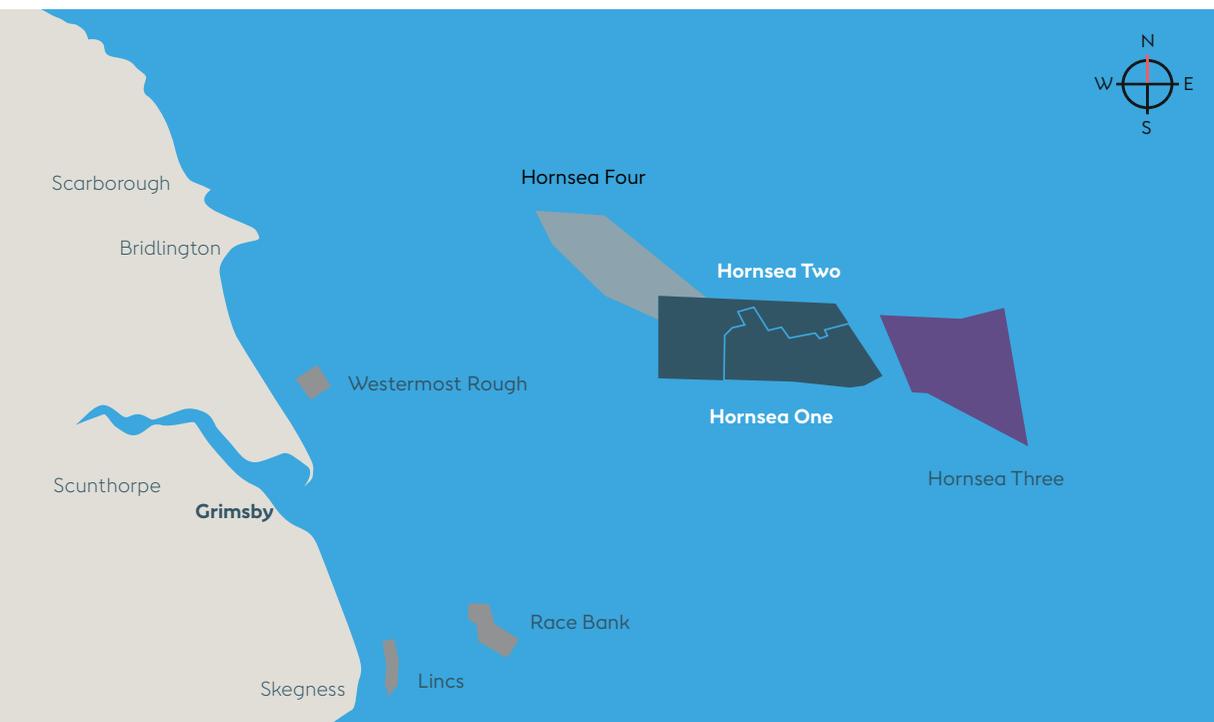
We are a renewable energy company with the **vision to create a world that runs entirely on green energy**. Climate change is one of the biggest challenges for life on earth; we need to transform the way we power the world.

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 CO<sub>2</sub> 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 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 the final stages of construction offshore. Hornsea Two is adjacent to Hornsea One and will be situated 89 km from the coast.

Hornsea 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](http://www.hornseaproject3.co.uk)

Hornsea Four has recently undertaken pre-application consultation and is due to submit a Development Consent Order (DCO) application in 2020. For further information on the proposals, please visit: [www.hornseaprojects.co.uk/Hornsea-Project-Four](http://www.hornseaprojects.co.uk/Hornsea-Project-Four)

# Hornsea One offshore wind farm



Hornsea One has a capacity of 1.2 GW - the world's largest offshore wind farm



It provides enough power for well over 1 million homes



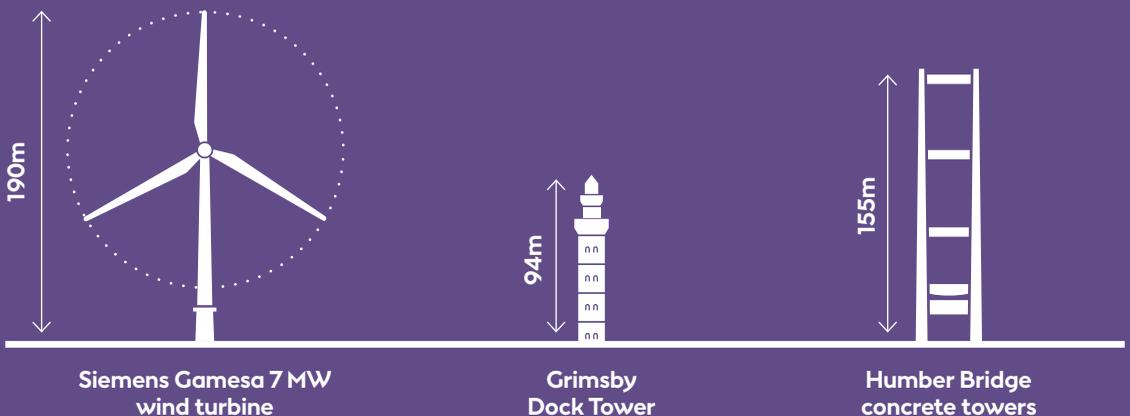
The wind farm is as far away from shore as Hull is from Hartlepool as the crow flies



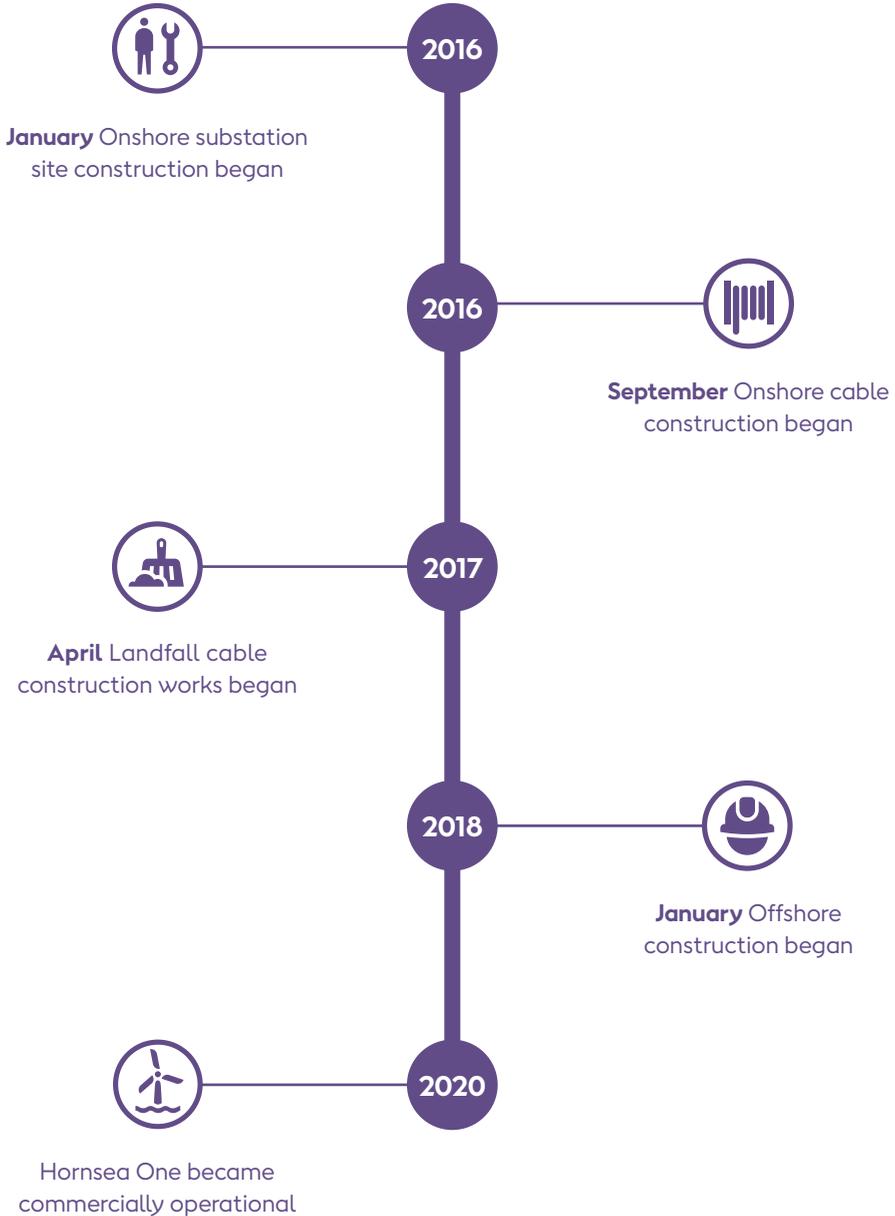
All onshore cables have been installed and reinstatement of the land is almost complete



All 174 offshore wind turbines have been installed



# Hornsea One timeline



# East Coast Hub Opening

In September 2019, our world-leading East Coast Hub in Grimsby was officially opened following a £10m investment in both its quayside and office facilities bringing the total investment to £14m.

We were delighted to welcome over 50 internal and external guests to help us mark the occasion, including guest of honour, former Great Grimsby MP Melanie Onn.

The East Coast Hub is now the largest offshore wind operations and maintenance facility in the world. From here, we currently operate five offshore windfarms, Westermost Rough, Lincs, Race Bank, Gunfleet Sands and Hornsea One, which together power well over one million homes with clean, green electricity. Once complete, the 1.4 GW Hornsea Two project will also join the other projects being managed at the facility in Grimsby.

The East Coast Hub was constructed by local firm Hobson and Porter and is leading the way for offshore wind farm development, having been

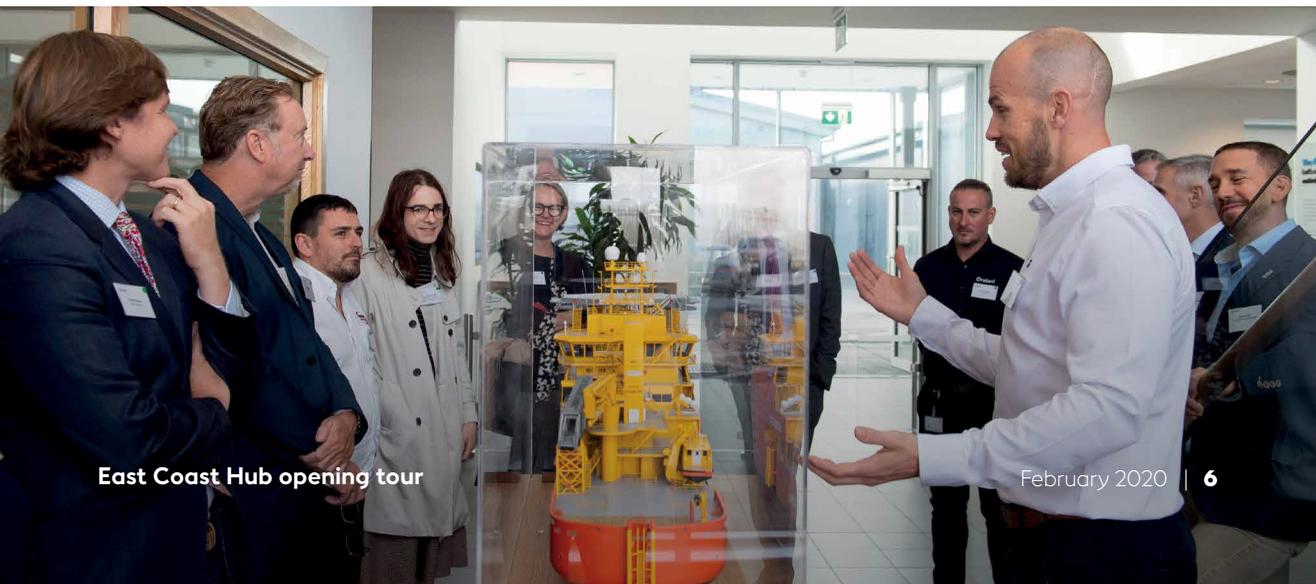
awarded in June 2019 the title of 'best renewable energy project' at the Humber Renewable Awards.

At the head of this pioneering facility is Darren Ramshaw, who began his own career nearly 25 years ago as an apprentice in Scunthorpe. His appointment epitomises Ørsted's continued commitment to building a core team for the facility that is drawn from the local area.

At the opening event, Darren said:

"We are extremely pleased to have been able to show off the fantastic facility we have here in Grimsby.

The town has become a leading light in the development of offshore wind for the country and has really embraced the skills and opportunities that have become available within this exciting sector. With the port's regeneration also on the horizon, we are excited to be a part of the development and growth in this area."



# Latest news

## Hornsea One

Hornsea One is now considered the first offshore wind farm with a capacity of over 1 GW and the only one currently capable of powering well over one million homes with green energy.

Along the onshore cable route, we will be completing a small number of reinstatement activities through to spring 2020. This will include planting hedgerows and seeds and completing drainage works.

Offshore, all 174 turbines were installed in just nine months, thanks to impressive feats of engineering and fantastic communication and working relationships with our contractors and suppliers. Over 8,000 contractors, suppliers and Ørsted employees have been involved in the offshore construction process since work started in January 2018, with many more involved as part of the onshore work.

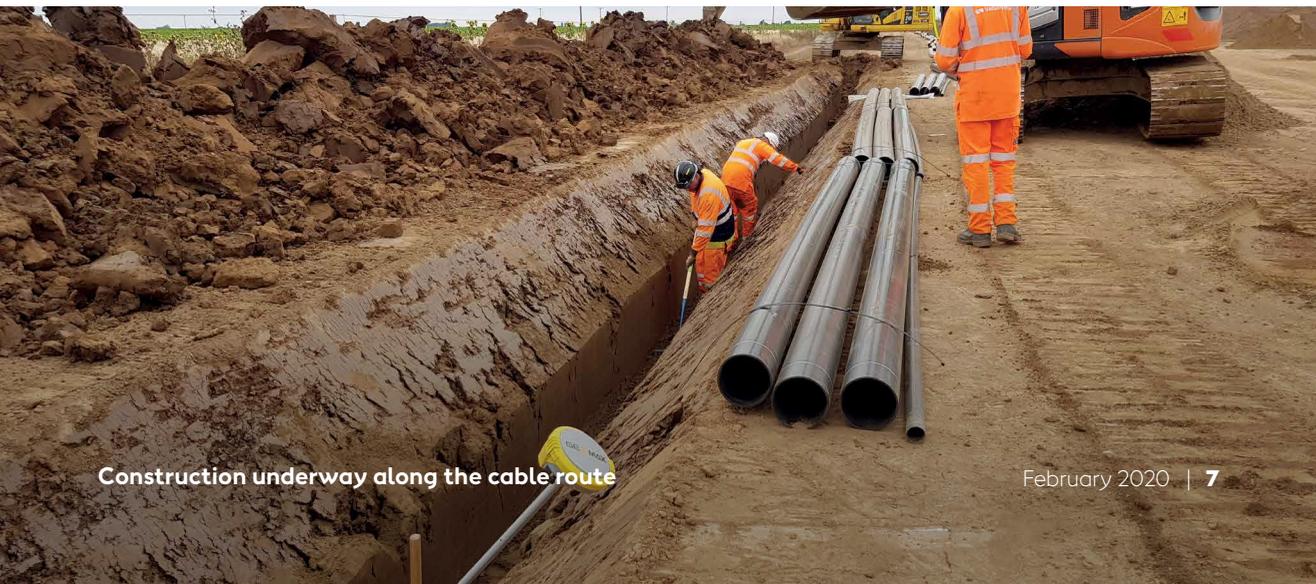
## Hornsea Two

We have completed all civil engineering at the onshore substation and are now installing high-voltage equipment. This work is expected to be completed in the upcoming months. Our focus in the new year will move towards the installation of high-voltage cabling.

Work along the cable route is currently on schedule. The construction and installation of

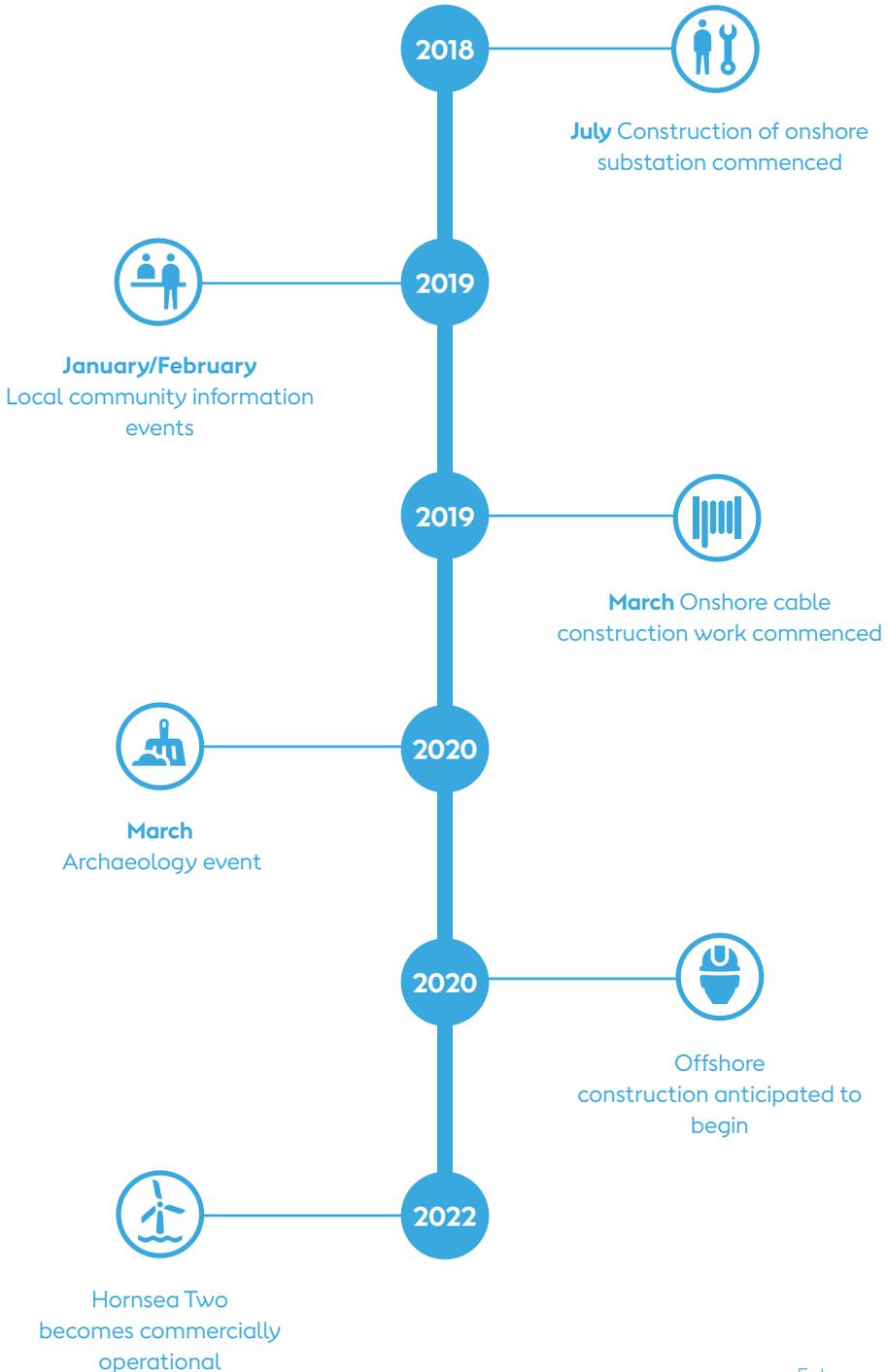
joint bays is moving progressively south every two weeks towards Horseshoe Point.

All cable drums have arrived on time, having been shipped from Vietnam. Cable drums are stored at sites along the cable route and at the onshore substation. Cables will continue to be laid over the next few months.



Construction underway along the cable route

# Hornsea Two timeline



# Hornsea Two offshore wind farm



**Hornsea 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 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**

# 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. We want to highlight some of the people carrying out key roles within our organisation, helping to ensure that we continue to revolutionise the way we provide power.

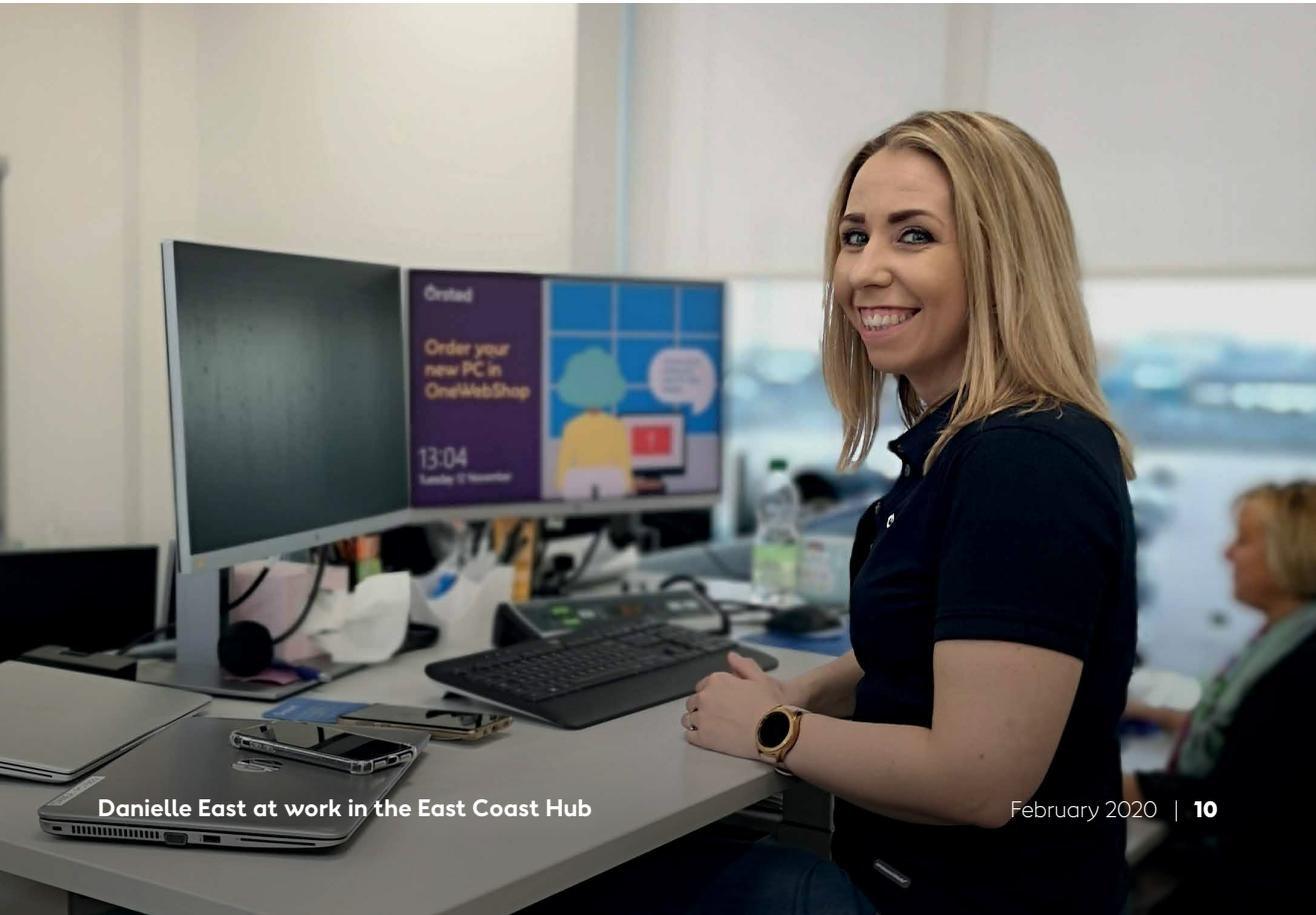
In this edition, we are looking at life at the world's largest operations and maintenance base in Grimsby – the East Coast Hub (ECH).

Please meet Danielle East, who works as a site assistant for Hornsea One at the ECH. Danielle

provides operational support as well as ensuring that all technicians are up to date with their training.

## **Danielle explains:**

My role is very varied and no day is ever the same. I'm responsible for all administration support and I maintain the training matrix to ensure all technicians remain fully certified. Being the single point of contact for these duties on Hornsea One keeps me busy but working with such a highly dedicated and experienced team means that we can meet any challenges head on.



Danielle East at work in the East Coast Hub



**Aerial view of the East Coast Hub in Grimsby**

Life at the ECH is great. We have a state-of-the-art office with a friendly and welcoming team that cover over 30 different specialist roles, each of which contributes to the successful running of five offshore wind farms. The ECH had less than 20 employees in 2014 and now employs over 350 people with more growth expected in the coming years.

We're also home to the Marine and Helicopter Coordination Centre (MHCC) which helps to coordinate construction and operational activity for our offshore wind farms internationally 24 hours a day, 365 days a year.

Currently, the team coordinates activities for the UK and Germany but we also have capacity to help manage future operations in both the US and Taiwan. This will be complemented by the development of our training centre, which is expected to be completed in the near future.

In addition to the world-class facilities that help us manage five offshore wind farms from our base in Grimsby, we also have a wide variety of recreational activities available to us including table tennis and table football. Employees are also encouraged to get involved in the Office Fit initiative, which allows us to have access to exercise bikes, steppers and balance boards that we can use while we work at our desks.

I really enjoy working at the ECH and for Ørsted. It's great to be playing a part in delivering our vision to create a world that runs entirely on green energy.

# Educational engagement

In October 2019, Ørsted and our principle contractor VolkerInfracore were proud to host 14 engineering students from Hull College who visited the site compound in Tetney. The aim was to inspire the next generation of engineers by showcasing the opportunities available to young people in the offshore wind industry.

Over the course of the day, the students were given first-hand exposure to the varied work we do onshore. They visited active drilling and cable-laying sites near Tetney and saw first-hand the onshore construction methods that are used to make our offshore wind farms a reality.

The visit forms part of Ørsted's commitment to support science, technology, engineering, and mathematics (STEM) education in the local area.



**Staff and students from Hull College at the Hornsea Two site compound.**



All of the team put in significant effort to pull this visit together and to show off our industry, organisation and site in a positive and engaging way. We would like to thank all those who made the day a resounding success.

Effective community liaison and engagement with the engineers of tomorrow is extremely important to us and we look forward to building further links with local institutions over the course of the project.

**Mark Tuck**, Project Manager, Hornsea Two

# Interested in archaeological finds from the local area?

We welcome the local community to join us at our archaeology event being held along the cable route corridor for our offshore wind farm, Hornsea Two.

**Come along to:**

**Bannatyne Health Club Humberston - Grimsby**  
Humberston Avenue, Humberston, DN36 4SX  
Monday 23 March 2020  
14:00 – 19:00

See first-hand some of the archaeological finds from along our onshore cable route and speak to our team of experts to find out more about the history of the local area, the processes we undertake and how the finds are carefully preserved.

# East Coast Community Fund

In November 2019, following the sixth round of funding, we reached a major milestone as we exceeded £1,000,000 in grants that have been awarded to date as part of the East Coast Fund.

The East Coast Community Fund is part of Ørsted's community engagement programme for our Race Bank and Hornsea offshore wind farms which are located off the Yorkshire, Lincolnshire and North Norfolk coast.

Ørsted have committed £465,000 each year until 2037 through our East Coast Community Fund. There are two funding rounds each year. To be eligible to apply for a grant your project must be both located and for the benefit of communities within the funding area. Grants from £1,000 up to £50,000 are available.

Applications for the next round of funding open in February 2020 and close on Wednesday 29 July 2020.

For more information on the Fund and to check eligibility criteria, visit: [www.grantscape.org.uk/fund/eastcoastcommunityfund](http://www.grantscape.org.uk/fund/eastcoastcommunityfund)

You can contact GrantScape on **01908 247634** or via email at: [eccf@grantscape.org.uk](mailto:eccf@grantscape.org.uk).



We're extremely pleased to be able to support local community groups who are making a real difference to the people in their area.

We have already seen over one million pounds make a huge impact on deserving projects in the regions and with each additional round of funding, we look forward to finding out which groups benefit from the donated funds.

**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 community events

We will be holding a community event in March 2020 highlighting the archaeological work undertaken along our onshore cable route.



## Local engagement

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



## Website

[orsted.co.uk](http://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 community liaison officer, 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](mailto:community@hornsea1and2.co.uk)

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