Hornsea Project One Offshore Wind Farm

Ørsted

Ørsted the new name for DONG Energy

On the 6 November 2017, DONG Energy changed its name to Ørsted, as part of a green transformation of the company. Following the sale of our oil and gas business, our previous name DONG, originally short for Danish Oil and Natural Gas, is no longer an accurate description of who we are.

Ørsted takes its name from the renowned Danish scientist, Hans Christian Ørsted, whose pioneering work in discovering electromagnetism helped lay the foundations for the methods in which power is produced today.

Going forward, Ørsted will be fully committed to renewable energy solutions and will no longer invest in fossil fuels. This means an emphasis on green growth based on our existing business platforms in offshore wind, biomass, green customer solutions and advanced waste-to-energy solutions.

It also means a continuation of building on our strongholds in offshore wind, bioenergy and innovative customer solutions, while also expanding into energy storage as an essential part of the energy transformation.

We will continue to work in the local area under our new name Ørsted. Under this new identity, we will continue to engage openly with and support the communities in which we work.

With our new name and brand identity, comes a new website.
To discover more visit: **www.orsted.co.uk**

Welcome

Welcome to the latest community newsletter for Hornsea Project One Offshore Wind Farm.

At Ørsted, we are focused on engaging with the communities in which we work. If you have any specific questions about Hornsea Project One, please get in touch using the contact details provided at the end of this newsletter.

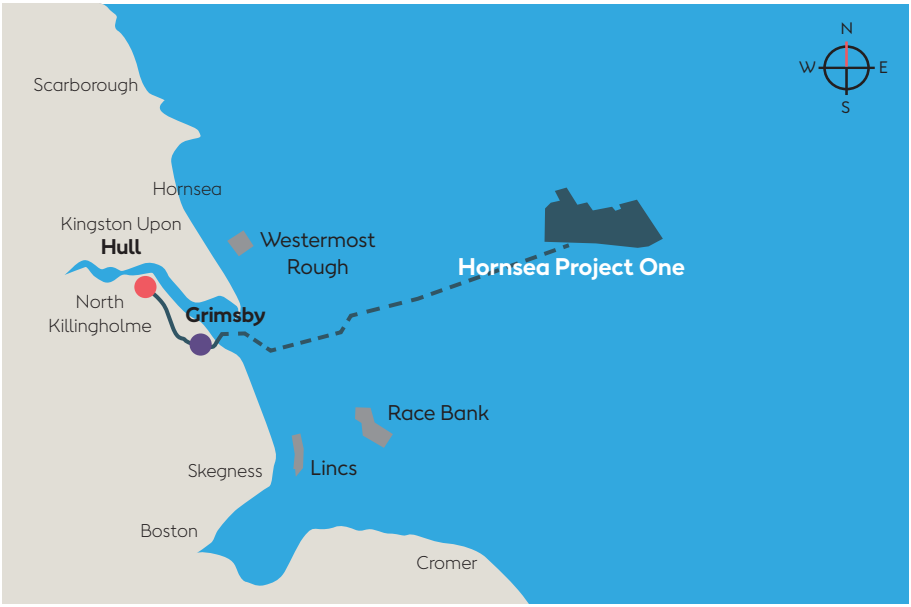
Project facts

Once operational, Hornsea Project One will become the largest offshore wind farm in the world – the first to exceed 1 GW in capacity.

The project has a capacity of 1.2 GW.

It provides enough power for well over 1 million homes. [1]

Hornsea Project One will be located 120 km off the Yorkshire coast, in an area covering approximately 407 km².



[1] We have based this on a load factor of 42% and a household consumption of 4.1 MWh per year. Source: DECC, 2015, Average electricity consuption per UK household in 2014 (with temperature factor applied).

Project progress

Onshore substation construction
The onshore construction works are progressing well. The works at the substation site in North Killingholme are nearing completion and we have successfully moved and installed all the Supergrid transformers, reactors and electrical components that will operate the substation. These components will be undergoing electrical testing and commissioning over the next few months, with a view to Ørsted introducing power in late 2018.

The final stages of the construction phase at the substation will be the installation of the fencing and roads. Once completed, thanks to the latest technology and security features, the substation will be almost entirely unmanned.

Working with local businesses

Ørsted is committed to working with local businesses and supporting the local supply chain in the areas that we work in. In this newsletter, we wanted to introduce a local company that we've worked with as part of the construction process for the cable route.

Introducing AMS No-Dig
AMS No-Dig is a Horizontal Directional Drilling (HDD) and Guided Auger Boring (Trenchless Pipe Installation) contractor from Scunthorpe. They were awarded the contract to design and install the cable ducts at the Hornsea Project One landfall site.

From April to September 2017, the three cable ducts were installed under the sea defense at Horseshoe Point. Each duct is approximately 200 m in length and 450 mm in diameter.

Duct pre installation in the intertidal area

These ducts have been installed so that the offshore export cables (which transmit the electricity generated by the wind farm back to shore) can be connected to the onshore cable to provide a seamless connection into the National Grid.

One of the main drivers for the contract award was the local knowledge and locational advantages AMS No-Dig was able to bring to this job. The proximity of AMS No-Dig's main supply base in Scunthorpe to the landfall site and the ease of access helped play an important role in allowing the project to be delivered on time.

We would like to thank AMS No-Dig for delivering a safe and well managed project, from the early engagement of the design concept process through to the execution.

Offshore works

In November 2017, we contacted mariners in the area to notify them that we are about to commence our works offshore. These works will include: boulder clearance, scour protection and installation of the foundations – all due to begin in December 2017. The teams will start the main works 120 km offshore, which will bring its own challenges.

The Atlantic Explorer, a vessel which will be used for boulder clearance.

> Fishermen on the East Yorkshire coast are no strangers to change. Just as when the gas rigs and pipelines started to appear in the 1960s, fishermen today have to find ways of working alongside offshore wind farms.
>
> The Holderness Fishing Industry Group views the emergence of the offshore wind industry in the North Sea as a positive development for coastal communities providing projects are developed in consultation with and recognition of the existing fishing stakeholders that share these waters. The Holderness Fishing Industry has been part of the consultation process with the developers of Hornsea Project One since it was first announced. As well as commenting on plans during the various public consultations, to ensure that fishermen's views were heard, we have maintained a consistent conversation with the developers for the last six years.
>
> The Holderness Fishing Industry Group and Ørsted have one very fundamental aim in common: for people to go to work at sea and come home safely. Clear and timely communication is vitally important in achieving this, which is why everyone involved has worked so hard to make it happen. The level of engagement reflects the complexity and size of Hornsea Project One. It has taken patience, pragmatism, and an honest and open dialogue to reach the co-operation and understanding we have today, but I am very pleased with what we have ultimately achieved.

Mike Cohen, Chief Executive of the Holderness Fishing Industry Group

Community engagement

Charity Bike Ride

Ørsted is committed to supporting charitable initiatives that involve the local areas in which we work. This involves making sure that we leave a positive, tangible and long-lasting Hornsea legacy in the community through engagement and the promotion of health and wellbeing.

As part of this commitment, Ørsted helped organise a charity bike ride on 21 September 2017 which spanned the entire length of the onshore cable route.

Above and below: Hornsea Project One team charity bike ride event.

Fourteen participants, including riders from Ørsted, and our construction partner contractors, J Murphy and Sons and Eco Drill, set out from the substation near North Killingholme, in aid of Macmillan Cancer Care and Great Ormond Street Hospital (GOSH). The riders followed the route of the cable as it meandered through the Lincolnshire countryside, passing through Killingholme, Immingham, Stallingborough, Great Coates, Bradly, Waltham and Tetney before finishing at the landfall site near Horseshoe Point.

Participants managed to raise over £1,700, which will be divided equally between the two deserving charities.

We would like to thank all those involved for participating in this fantastic event and raising a commendable amount for brilliant causes.

Contact us

To find out more or to ask any questions about Hornsea Project One Offshore Wind Farm:

Call the Freephone project information line on **0800 111 4478** (9am to 5pm, Mon-Fri, with an answer phone facility to take calls outside of these hours)

Email the enquiries address:
HornseaProjectOne@orsted.co.uk

Visit the Project website:
www.hornseaprojectone.co.uk

Ørsted
5 Howick Place
London
SW1P 1WG
Tel: +44 (0) 20 7811 5200

orsted.co.uk

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