

# Lincs Offshore Wind Farm



Orsted

# Welcome to Lincs

Lincs Offshore Wind Farm has been fully operational since 2013. Situated off the east coast of England, the project comprises 75 turbines with a combined total capacity of 270 MW.

Ørsted is the largest offshore wind developer in both the world and the UK. Since 2004 we have been developing, constructing and operating offshore wind farms in the UK – our biggest market. Our 11 operational offshore wind farms are powering over 3.2 million homes and with another two in construction this number will rise to 5.5 million homes by 2022.

In addition to our offshore wind farms, we construct battery-storage projects, innovative waste and recycling technology and provide smart energy products to our commercial and industrial customers. We currently employ 1,000 people in the UK and have already invested over £9.5 billion. We will invest at least a further £3.5 billion by 2021.

We are committed for the long-term, both to leading the change to green energy, and to investing in the communities where we operate.



Wind power under construction



Wind power in operation

## Where is Lincs?

Lincs Offshore Wind Farm is situated 8 km (5 miles) off the east coast of the UK, near Skegness in Lincolnshire.



 Lincs Offshore Wind Farm

 Cable Corridor / Route

 Onshore Substation

 Operations and Maintenance Base

## How much clean electricity does it produce?



The project has a capacity of

**270** MW



It provides enough power for around

**240,000** homes<sup>1</sup>

## What is our impact on the local economy and community?

Lincs offshore wind farm is operated and maintained from the East Coast Hub in Grimsby which supports a workforce of more than 300 people. During the construction phase of Lincs, which was managed by Centrica, more than 250 roles were supported.

We are embedded in the communities and places where we operate and are proud to support business membership organisations, skills initiatives / events, the Ørsted Great Grimsby 10k, partnership projects such as the Greater Grimsby Town Deal and more to demonstrate our long-term commitment to the area. Growing our UK supply chain is important to us and we use a number of local companies to support our operation and most recently local construction firm Hobson & Porter completed the £10m expansion to our East Coast Hub.

### Ørsted apprenticeship scheme

The East Coast Hub facility is the base for six offshore wind turbine technician apprentices. We welcomed four apprentices in our first year (2017) and a further two in 2018, demonstrating our commitment to securing a workforce for the future. Our three year apprenticeship scheme in partnership with Grimsby Institute offers our apprentices a mixture of classroom based learning and practical on site and offshore experience.

<sup>1</sup> We have based this on the BEIS 5-year average load factor of 38.6% and a household consumption of 3,828 kWh per year. Source: BEIS DUKES (2018), BEIS ECUK (2018)

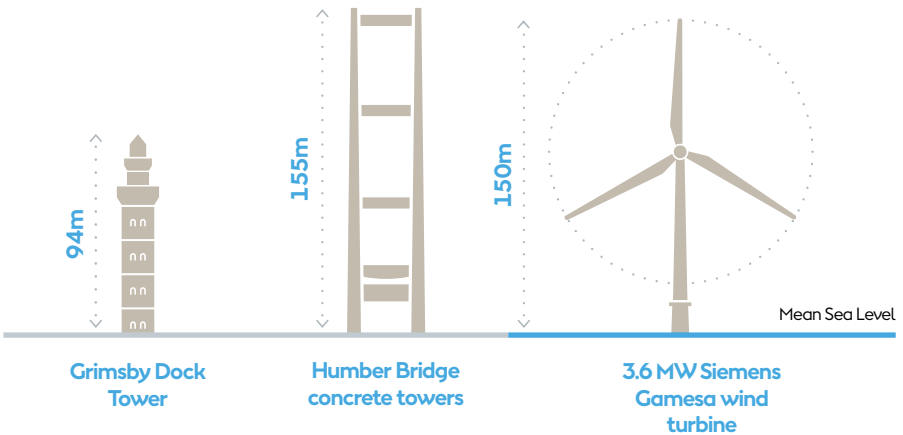
## Ownership

The Lincs project is owned by Ørsted (25%), Green Investment Group (44%), Macquarie European Infrastructure Fund 5 (15.5%), and other funds (15.5%).

## How big is it?

The area covered is **35 km<sup>2</sup>**.

This is equal to **5,000** Blundell Park pitches, home of Grimsby Town F.C.



## Project Timeline



**2004**

Centrica Energy acquired the Crown Estate lease to develop an offshore wind farm at Lincs under Round 2 from RES



**October  
2008**

Approval for consent was granted



**October  
2009**

Final investment decision was made



**April  
2010**

Onshore construction began



**March  
2011**

Offshore construction began



**April  
2012**

Established connection to the grid



**August  
2012**

First power



**August  
2013**

Inauguration

## What makes this project special?

The project was one of the first offshore wind farms in the UK to use the larger diameter rotor (120m) version of the Siemens Gamesa 3.6 MW wind turbine. Lincs was also the first offshore wind farm to utilise a conical foundation and monopile connection to improve stability across the life of the project.

// Lincs is the first site within the Ørsted Grimsby base to be solely operated by Ørsted. The site is proving itself as a great asset where safety, production and availability statistics have positively increased following Ørsted's takeover. This is a fantastic achievement by site, which is supported by the expertise of Ørsted's global support functions.

**Daniel Walker**, Operations Manager

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