

# Barrow Offshore Wind Farm



 Orsted

# Welcome to Barrow

Barrow Offshore Wind Farm was one of the first offshore wind farms built in the UK.

Situated off the northwest coast of England, it comprises of 30 turbines with a combined total capacity of 90 MW.

Ørsted is a renewable energy company that takes tangible action to create a world that runs entirely on green energy.

We have invested significantly in the UK, where we develop, construct and operate offshore wind farms and innovative waste-to-energy technology. We also provide smart energy products to our commercial and industrial customers.

We are undertaking a truly green transformation by divesting our oil and gas business and phasing out coal from our power stations worldwide.



Wind power under construction



Wind power in operation

## Where is Barrow?

Barrow Offshore Wind Farm is located in the East Irish Sea approximately 7 km southwest of Walney Island, near Barrow-in-Furness.



■ Barrow Offshore Wind Farm

--- Cable Corridor / Route

● Onshore Substation

● O&M base

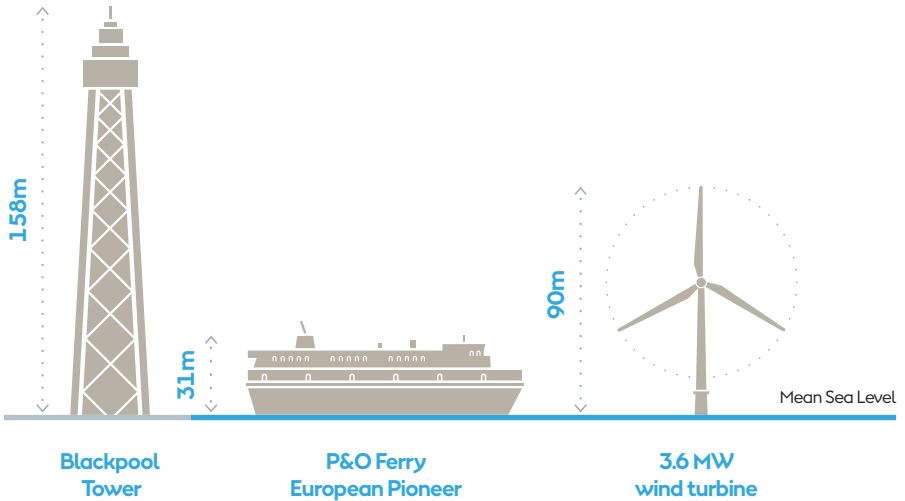
## What makes this project special?

The project was Ørsted's first offshore wind farm in the UK.

## How big is it?

The area covered is **10 km<sup>2</sup>**.

This is equal to **1,400**  
Holker Street pitches, home to  
Barrow A.F.C.



## How much electricity does it produce?



The project has a total capacity of **90** MW.



This means that each year it will provide enough power for over **80,000** homes.<sup>1</sup>

## Maersk apprenticeship scheme

Ørsted joined forces with Maersk to give people a head start in the industry by offering valuable training and the opportunity for hands on experience. Since the start of the scheme, at least 12 participants have found careers in the offshore wind industry.

This course allows us to expand people's skill sets from their Diploma and Global Wind Organisation training. Combined with real time experience, this course paves the way for their potential new career as a wind turbine technician: a rapidly growing market in the UK.

## What has been the impact on the local economy?

Ørsted's investment in offshore wind projects off the coast Barrow have had far-reaching benefits locally. Our wind farms have helped to deliver a significant boost to the local economy, sustaining a local supply chain and creating jobs for local people. This will continue as our pipeline in Barrow has enabled us to place large-scale contracts with UK suppliers, which act as a catalysis for further investment and upskilling benefits across the local supply chain.

<sup>1</sup> We have based this on a load factor of 42% and a household consumption of 4.1MWh per year. Source: DECC, 2015, Average electricity consumption per UK household in 2014.

## Project Timeline



April  
**2001**

Awarded a lease from the Crown Estate to develop an offshore wind farm at Barrow under Round 1 of leasing



March  
**2003**

Planning consent for the Project awarded



**2004**

Onshore construction began



May  
**2005**

Offshore construction began



March  
**2006**

First power generated



September  
**2006**

Inauguration

## Ownership

The project is 100% owned by Ørsted.

**//** As a 'UK Round 1' wind farm commissioned in 2006, Barrow Offshore Wind Farm was the first UK project for Ørsted. Producing power, from its thirty 3MW machines; for over a decade, Barrow continues to perform at a very high standard and boasts an outstanding HSE record. It is exciting to be involved in one of the first offshore wind farms in the UK.

**Mark Shields**, Head of Barrow

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Cover image: Piel Castle, Barrow-in-Furness, Cumbria



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