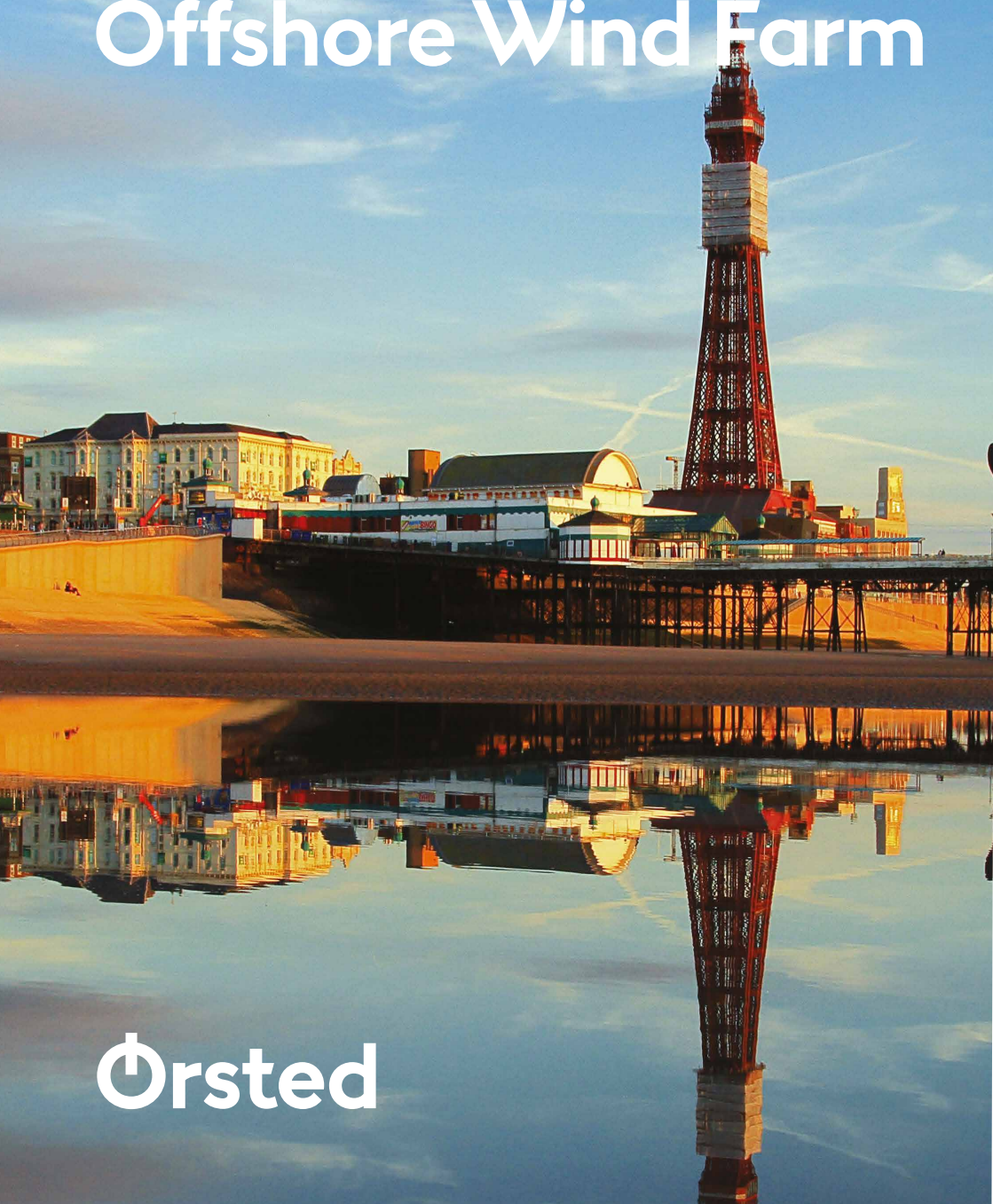


# Walney Extension Offshore Wind Farm



 Orsted

# Welcome to Walney Extension

Walney Extension is the world's largest offshore wind farm and comprises 87 turbines with a combined total capacity of 659 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.

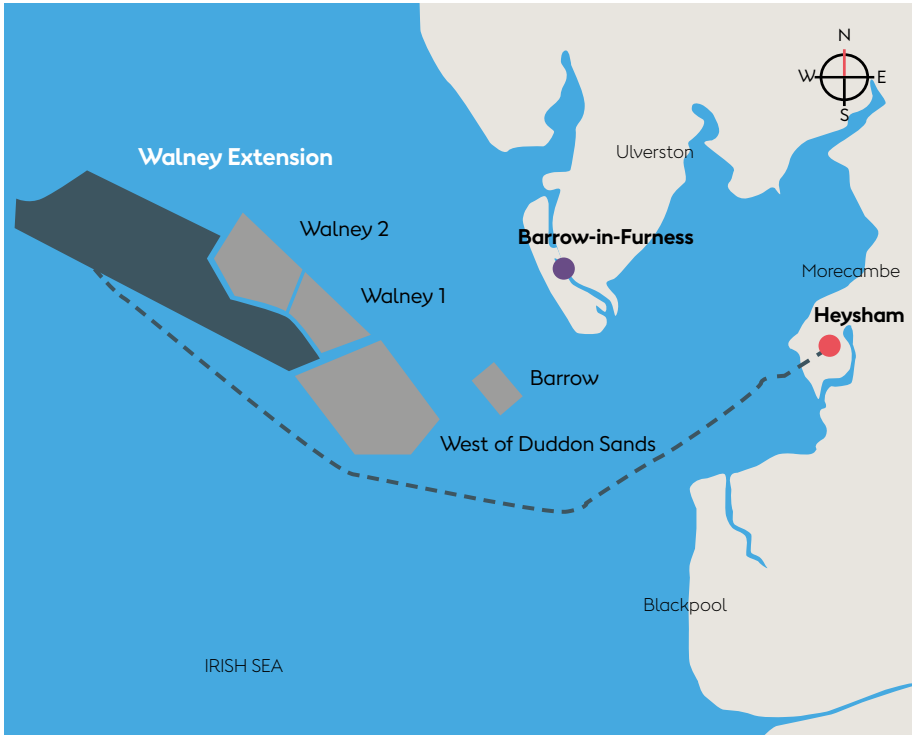
In addition to our offshore wind farms, we construct battery-storage projects, innovative waste and recycling technology and provide smart energy products to our commercial and industrial customers. We currently employ 1,000 people in the UK and have already invested over £9.5 billion. We will invest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



## Where is Walney Extension?

Walney Extension Offshore Wind Farm is located in the Irish Sea approximately 19 km (11.8 miles) from the Walney Island coast in Cumbria.



 Walney Extension Offshore Wind Farm

 Cable Corridor / Route

 Onshore Substation

 Operations and Maintenance Base

## Community Benefit Fund

At Ørsted we are committed to proactive engagement with the local communities in which we work. We have committed to a Community Benefit Fund worth up to £600,000 (£100,000 of this is ring-fenced for a "Skills Fund") each year for Walney Extension's 25-year lifetime. This fund recognises the long-term relationship which the Walney Extension Offshore Wind Farm has with the local region and will support community and environmental projects in coastal areas of Lancashire and Cumbria.

There are two funding rounds each year and independent charity, Grantscape, is responsible for administering the fund. Many grants have already been awarded to inspirational causes.

To find out more, please visit: <http://www.grantscape.org.uk/fund/walney-extension-community-fund/>

Alternatively, you can contact Grantscape on:

**Tel: 01908 247634**

**Email: [wecf@grantscape.org.uk](mailto:wecf@grantscape.org.uk)**



## How much clean electricity will it produce?



This project has a total capacity of up to **659** MW



This means that each year it will provide enough power for around **580,000** homes<sup>1</sup>

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

Walney Extension's inward investments in local supply chains are helping to drive regeneration in Barrow-in-Furness and the North West. The project has worked with more than 50 local suppliers and contractors from Carlisle down to Lancaster, including (but not limited to):

- Furness Fluid Power (fuel)
- MPM North West Ltd (design, construction and maintenance of lead-in-jetty landing and mooring systems)
- Underwater Diving Services (dredging and survey support)
- Larkin Engineering Services Ltd (facilities management, they will coordinate maintenance services to be provided by several contractors)

Up to 250 new jobs will be supported by the operations and maintenance phase of the project (please note: this figure includes jobs that are supported through Tier 1 supply chain as well as 'direct' Ørsted employees).

<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 Walney Extension project is owned by Ørsted (50%) and our partners PFA (25%) and PKA (25%).

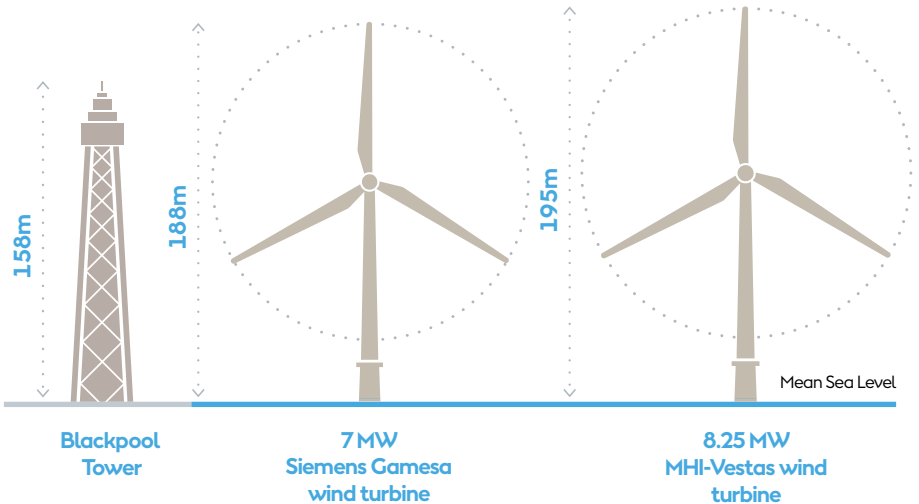
## How big is it?

The area covered is **145 km<sup>2</sup>**.

This is equal to **20,000** Holker Street football pitches, home to Barrow A.F.C.



87 turbines have been deployed. These are split between two leading manufacturers, 40 x MHI-Vestas 8.25 MW turbines and 47 x Siemens Gamesa 7 MW turbines.



## Project Timeline



May  
**2010**

The Crown Estate awarded an agreement for the lease to extend the Walney Offshore Wind Farm by up to a further 750 MW, over a 145 km<sup>2</sup> area, under the Round 2 extension of leasing



November  
**2014**

Consent awarded



August  
**2015**

Onshore construction commenced



February  
**2017**

Offshore construction commenced



August  
**2017**

First power generated



June  
**2018**

Offshore works complete



September  
**2018**

Walney Extension Inauguration

## What is the impact on the UK supply chain?

Walney Extension was constructed in two phases. For phase one we sourced the turbines from MHI Vestas with blades from their Isle of Wight facility. Siemens Gamesa were the preferred supplier for phase two. Blades were manufactured in Siemens Gamesa's Green Port Hull factory and some towers were sourced from CS Wind's factory in Campbeltown. We have increasingly sourced from UK factories, which helped to build the supply chain and maximise benefits to the UK economy.

Walney Extension uses the largest and most technologically advanced turbines from both these manufacturers. It is the first commercial project in the world to use the Siemens 7 MW turbine.





## What makes the project special?

// The UK is the global leader in offshore wind and Walney Extension showcases the industry's incredible success story. The project, completed on time and within budget, also marks another important step towards Ørsted's vision of a world that runs entirely on green energy. The North West region plays an important role in our UK offshore wind operations and our aim is to make a lasting and positive impact here. We want to ensure that the local community becomes an integral part of the renewable energy revolution that's happening along its coastline.

**Matthew Wright**, UK Managing Director

## Contact us

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