

# Walney Offshore Wind Farm



 Orsted

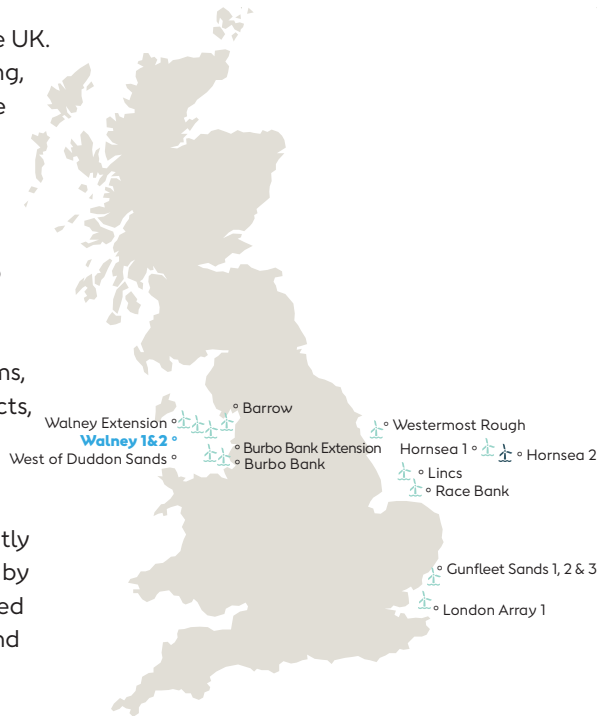
# Welcome to Walney


Walney Offshore Wind Farm has been fully operational since 2012 and consists of two stages: Walney 1 and Walney 2. Each of the stages comprises of 51 turbines and the total combined capacity of the wind farm is 367 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 12 operational offshore wind farms are powering 4.4 million homes and with another one in construction this number will rise to 5.6 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 by the end of 2021, we will have invested over £13 billion building offshore wind farms in the UK.

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



 Wind power under construction

 Wind power in operation

# Where is Walney?

Walney Offshore Wind Farm is located approximately 15 km (9.3 miles) from the coastline of Walney Island.



■ Walney 1 & 2 Offshore Wind Farm

--- Cable Corridor / Route

● Onshore Substation

● Operations and Maintenance Base

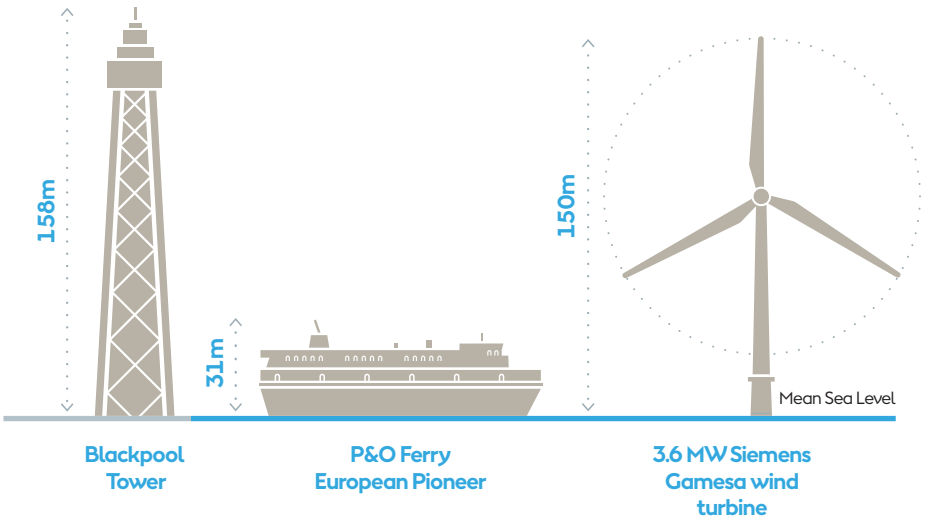
## Ownership

The project is owned by Ørsted (50.1%), Greencoat Capital (25.1%) and OPW (24.8%).

## How big is it?

The area covered is **73 km<sup>2</sup>**.

This is equal to **10,400** Holker Street pitches, home to Barrow A.F.C.



## How much clean electricity does it produce?



Walney 1 and 2 have a total capacity of **367** MW



This means it will provide enough power for around **330,000** homes<sup>1</sup>

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

Ørsted's decision to use the Port of Barrow for the O&M facilities for Walney 1+2 has had a tremendous impact locally.

The multi-million-pound investment from Ørsted has led to new ABP facilities on the port estate including a new state of the art lead-in jetty. Indeed, the Ørsted developments have supported the continued transformation of the port, which now has a very bright long-term future supporting some 12,100 jobs and contributing £781 million GVA annually.



<sup>1</sup> This based on an average household electricity consumption of 3,861 MWh and five-year average load factor for offshore wind of 39.47% (BEIS, 2019; DUKES, 2020).

## Project Timeline



### 2003

Awarded a lease from the Crown Estate to develop an offshore wind farm at Walney under Round 2 of leasing



### 2008 - 2009

Geotechnical investigations



### 2009 - 2010

Tender, planning and design



### 2010 - 2011

Construction



### 2011

First power and commissioning of Walney 1



### 2012

First power and commissioning of Walney 2

## What makes this project special?

The project was the first to deploy the Siemens Gamesa 3.6 MW 120m wind turbine in the UK.

// Walney Offshore Wind Farm was a ground breaking project for Ørsted as it was the first to be built using specialist installation vessels and a 'rapid build' programme. It has since become the blueprint for subsequent offshore wind farms. Walney is a solid performer in the Ørsted fleet and will be a reliable and clean source of electricity for future generations.

**Hugh Yendole**, Portfolio Asset Manager

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