

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 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?

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

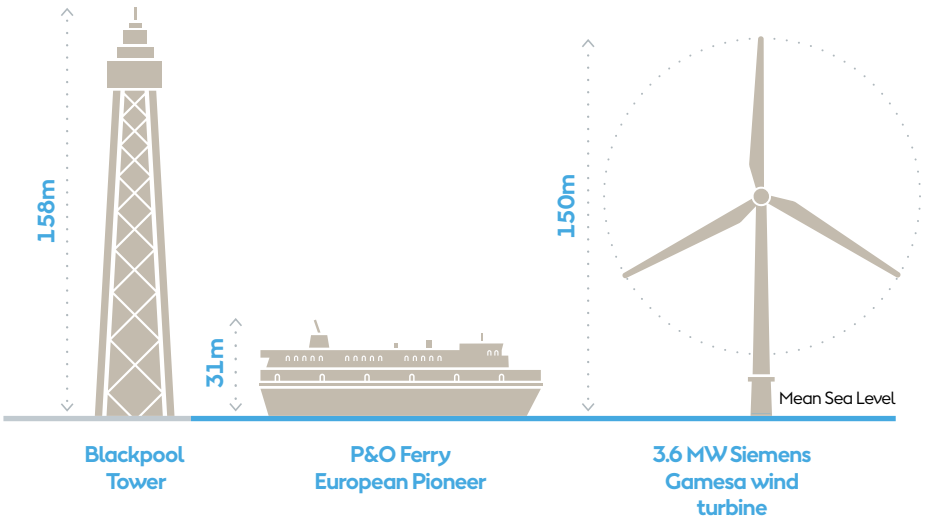
Ownership

The project is owned by Orsted (50.1%), SSE (25.1%) and OPW (24.8%).

How big is it?

The area covered is **73 km²**.

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 **320,000** homes¹

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.



¹ 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)

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

Contact us

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

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