West of Duddon Sands Offshore Wind Farm
Welcome to West of Duddon Sands

West of Duddon Sands Offshore Wind Farm located off the West Coast of England comprises of 108 turbines with a combined total capacity of 389 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.
Where is West of Duddon Sands?

West of Duddon Sands Offshore Wind Farm is located in the East Irish Sea approximately 14 km (8.7 miles) from the nearest coast on Walney Island, Cumbria.
Ownership

The project is owned by Orsted (50%) and ScottishPower Renewables (50%).

How big is it?

The area covered is 67 km².

This is equal to 9,600 Holker Street pitches, home to Barrow A.F.C.
How much clean electricity does it produce?

The project has a capacity of **389 MW**

This means that each year it will provide enough power for around **350,000 homes**.

What has been the impact on the local economy?

As a result of investment, one of the biggest benefits was the £50m offshore wind farm terminal at Belfast Harbour. The terminal was the first purpose built offshore wind installation and pre-assembly harbour in the UK and Ireland where around 300 jobs were supported.

- **300 jobs** were supported at Belfast Harbour
- **1,000 work hours** were recorded during the 2-year construction phase
- **43 people** are currently employed in operations and maintenance at West of Duddon Sands wind farm

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1 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).
2003
Awarded an agreement for lease from the Crown Estate to develop an offshore wind farm at West of Duddon under Round 2 of leasing

September 2008
Consent awarded

June 2011
Final investment decision made

Q1 2012
Onshore construction began

March 2013
Offshore construction began

January 2014
First power generated

October 2014
Inauguration
How do we maintain the turbines?

The operation and maintenance facilities are situated at ABP’s Port of Barrow site and include office facilities, a warehouse and a pontoon for vessels.

West of Duddon Sands was completed on time and on budget, and entered full production ahead of schedule. This is a testament to the commitment and professionalism of the development, construction and operations teams. It also reflects the excellent working relationship with our partner, ScottishPower Renewables, and the support we have received from local communities. The wind farm is proving itself to be one of the best performers in our entire fleet.

Hugh Yendole, Portfolio Asset Manager

Contact us

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