



Dudgeon Offshore Wind Farm

North Norfolk, England

The Dudgeon Offshore Wind Farm, located 32 kilometres off the coast of North Norfolk, in East Anglia, is one of Masdar's current investments in the UK's renewable energy sector.

The project is a partnership between Masdar (35%), Statoil (35%), the Norwegian multinational Oil and Gas Company and Statkraft (30%), Norway's state-owned electricity company.

The Dudgeon Offshore Wind Farm turbines are set in waters 18 to 25 metres deep. The turbine blades will harvest winds that are at an average speed of approximately 10 metres a second.

The project is expected to create a number of job opportunities throughout its lifetime.

The development phase of the project involved construction of the wind turbines and their foundations, building of offshore and onshore substations, installation of power cables both undersea and onshore, as well as connection to the UK National Grid.

Construction of the wind farm began in Q3 of 2014, and was inaugurated in November 2017.

Quick facts

- One of the largest wind farm projects in the World
- A joint venture between Masdar (35%), Statoil (35%) and Statkraft (30%)
- Installed capacity of 402 megawatts
- Annual production of 1.75TWh
- Potential to power more than 410,000 homes
- Will displace 893,000 tonnes of CO₂ per year
- Project site area of 35 km²
- 67x6MW capacity Siemens turbines installed

The Dudgeon Offshore Wind Farm brings Masdar's gross installed cumulative capacity in the UK renewable energy sector to over 1,000MW.

