

Solar Energy South Africa

The largest wind power array



Positive



Back



Overview

In 2001 environmental studies identified areas of the outer as potential sites for offshore wind farms; the published the paper Future Offshore — A Strategic Framework for the Offshore Wind Industry, which identified the outer Thames Estuary as one of three potential areas for future wind farm development (). The

Where is the world's largest offshore wind farm located?

Construction on the London Array, which is the world's largest offshore wind farm, began in July 2009. The plant is located around 15km from the Kent and Essex coasts in the outer Thames Estuary, UK. It will see up to 341 turbines in an area of up to around 245km² on and between the Long Sand and Kentish Knock sandbanks.

Who owns London Array offshore wind farm?

London Array Offshore Wind Farm is operated by RWE on behalf of project partners. London Array is celebrating its tenth year in operation, back in 2013 it was the world's largest offshore wind farm.

How many wind turbines are in London Array?

Today marks the inauguration of the world's largest offshore wind power plant, London Array. Siemens supplied the 175 wind turbines and the grid connection for London Array. Together with Dong Energy, Siemens will also be responsible for the service of the wind turbines through a long-term agreement.

How many wind turbines will the array generate?

With 175 wind turbines, the Array will be able to generate 630 MegaWatts of electricity, which is enough power for nearly half a million homes, or the equivalent to two-thirds of Kent.

How many turbines are in a Siemens Wind Farm?

The first phase consisted of 175 Siemens Wind Power SWT-3.6 turbines and

two offshore substations, giving a wind farm with a peak rated power of 630 MW. Each turbine and offshore substation is erected on a monopile foundation, and connected together by 210 km (130 mi) of 33 kV array cables.

How many offshore wind power plants does Siemens have?

Siemens is at the front of the market for offshore wind power plants, grid connections and offshore wind service. The company has already installed more than 1,100 wind turbines at sea with a total capacity of 3.4 GW, over two thirds of which are located in Great Britain. In total, it has 4.6 GW of offshore capacity in its order books.

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London Array Offshore Wind Farm, Thames Estuary

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World's largest offshore wind farm with 175 Siemens ...

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London Array fully powered and producing green electricity

- ...

Full capacity has now been reached at the 630MW first phase of the world's largest offshore wind farm, the London Array. The commissioning of the 175 th and final turbine happened at ...

Prime Minister David Cameron inaugurates world's largest offshore wind ...

E.ON is one of the world's leading power and gas

companies. With annual sales of more than EUR82 billion and around 79,000 employees, it is one of the world's largest investor-owned power and ...



London Array - A leader in offshore renewable energy ...

London Array features 175 Siemens 3.6MW wind turbines with a combined capacity of 630MW. Arranged in rows and columns aligned according to the prevailing south-westerly wind, they are placed 650m to 1,200m apart and ...

London Array offshore wind farm 10 years on

London Array is celebrating its tenth year in operation, back in 2013 it was the world's largest offshore wind farm. Located 20km off the north Kent coast in the Outer Thames Estuary, RWE-operated London Array has a ...



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