

## Siemens supplies the power transformers for the wind farm East Anglia ONE

Siemens, the most innovative supplier of power transformers, received the contract to supply the UK's East Anglia ONE wind farm with power transformers. The project is being designed and executed by the Spanish Iberdrola Engineering and Construction, one of the market leaders in producing wind energy.

The cutting edge transformers for offshore applications will create a safe and efficient grid connection, to bring the wind power from the offshore substation platform via cable to the mainland. Siemens will deliver 2x 400 MVA / 220 kV power transformers, 2x 190 MVA / 220 kV shunt reactors, and 4x 66 kV 1,650/800 kVA auxiliary transformers. The offshore

transformers have very specific requirements, such as special dimensions and weights for the offshore platform, special fixing system for the foundations, or very specific arrangements for sea transportation. They need to be absolutely reliable. The deliveries are scheduled for October through December 2017.

The East Anglia project, located in rough North Sea waters, will help to stimulate the East Anglia region and support thousands of skilled jobs. A total of 102 Siemens wind turbines, each rated at 7 MW, will produce 714 megawatts – enough clean energy to power approx. 500,000 homes. This is the first step of six total phases planned for East Anglia,

creating the world's largest offshore wind farm.

The customer decided for a Siemens solution because it meets his expectations regarding safety, efficiency and the highest reliability. Cooperation with the Siemens Global Technology Center ensures that only the most advanced transformers, conformant to the strict mechanical and electrical requirements of the customer, are produced.

"We are pleased to support Iberdrola in becoming one of the main players in the offshore wind energy environment and support the further integration of renewable energy sources into the UK grid," says Dr. Beatrix Natter, CEO of Siemens Transformers.



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