



# Sheringham Shoal

by Scira Offshore Energy



# Sheringham Shoal Offshore Wind Farm

The 35 square kilometre site of the Sheringham Shoal Offshore Wind Farm is located in the Greater Wash, between 17 and 23 kilometres off the Norfolk coast, north of the seaside town of Sheringham.

## The 317MW wind farm is now under construction and will comprise:

- 88 turbines (3.6MW Siemens)
- two 1000 tonne offshore substations
- two 132kV submarine export cables of about 22km each
- a 21.6km onshore cable and new inland substation at Salle

The turbines will be positioned around 700m apart and will be supported by monopile foundations, now being installed. They will be connected via a network of marine cables linking to two offshore transformer stations within the wind farm. From these, power will be exported via two 132kV marine cables reaching landfall at Weybourne and to a new substation at Salle. It will produce enough green energy to power almost 220,000 British homes.

The operation and maintenance will be run from Wells-next-the-Sea which was the natural choice being only 20 nautical miles from the site. To deal with the tidal restrictions, Wells Harbour created a new outer harbour by dredging the entrance channel.

Sheringham Shoal Offshore Wind Farm is jointly owned by Statoil and Statkraft through Scira Offshore Energy Limited.

## Construction timetable

<b>June 2010</b>	First foundation installed
<b>August 2010</b>	Submarine export cable installation
<b>Late 2010</b>	Onshore substation commissioned
<b>Early 2011</b>	Offshore substations installed
	Infield cable installation
<b>Mid 2011</b>	Turbine installation begins
<b>Early 2012</b>	Wind farm completely operational

