

Largest offshore wind farm opens

Britain's aim to meet its renewable energy targets for 2020 moves a step closer when the Thanet Wind Farm becomes fully operational. It will be the world's biggest offshore facility until the even larger London Array starts delivering power in 2012

UK



LONDON ARRAY

Turbines: 341

Output: 1,000 megawatts – sufficient to power 750,000 homes, 25% of all those in Greater London

Area: 245 sq km

Cost: \$3bn

LONDON

River Thames

THAMES ESTUARY

NORTH SEA

20km

12 miles



Power cables

Cleve Hill

Port Richborough

First phase of four-year London Array project due to be completed in 2012 – 175 turbines will deliver 630MW to London Olympics

THANET OFFSHORE WIND FARM

Turbines: 100. **Output:** 300MW – enough to power 240,000 homes.

Area: 35 sq km. **Cost:** \$1.1bn

EU WIND POWER

Installed capacity (MW, 2009)

Germany

25,777

Spain

19,149

Italy

4,851

France

4,521

UK

4,050

Portugal

3,535

Denmark

3,481

Netherlands

2,221

Sweden

1,560

Ireland

1,260

Others

4,395

Total EU

74,800

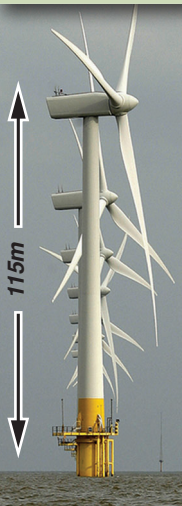
WIND POWER WORLDWIDE (2009)

Rest of World 2.8%

Asia 24.6%

North America 24.4%

Europe 48.2%



Source: EurObserv'ER

Wind power barometer 2010

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