



London Array

London, England

London Array, the world's second largest wind farm currently in operation, is a joint venture between RWE (30%), Orsted (25%), Caisse de dépôt et placement du Québec (CDPQ) (25%) and Masdar (20%). Located at the main feed of the Thames Estuary in the United Kingdom, the project was inaugurated on July 4, 2013.

London Array has a capacity of 630 megawatts (MW), which powers more than half a million homes and reduces more than 925,000 tonnes of carbon dioxide emissions every year.

Construction began in July 2009 with the building of a new onshore substation on the north Kent coast. This enabled electricity generated by the project to be transferred straight into the national grid. The first offshore foundation was laid in March 2011; the last of the 175 Siemens 3.6MW turbines was installed in December 2012.

More than 75 organisations and 6,700 workers helped in constructing London Array.

Quick facts

- Inaugurated on July 4, 2013
- Covers an area of 100km²
- Installed capacity of 630MW
- Powers over half a million homes
- Displaces 925,000 tonnes of CO₂ emissions per year
- Utilises 175 Siemens turbines with 3.6MW capacity each
- Two offshore substations and one onshore substation
- Over 400km of cables (array and export)
- A dedicated operations and maintenance base at the port of Ramsgate
- Onshore construction started in July 2009, full-scale offshore construction began in 2011
- First power was delivered in October 2012
- Final turbine was installed in December 2012