



London Array UK

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

London Array has a capacity of up to 630MW, powers more than half a million homes and reduces more than 925,000 tonnes of carbon dioxide emissions per year.

Construction began in July 2009 with the building of a new onshore substation on the north Kent coast. This enabled electricity generated by London Array to flow straight into the national grid. The first offshore foundation was laid in March 2011; the 175th and final Siemens 3.6MW turbine was installed in December 2012.

More than 75 organisations and 6,700 workers helped to build London Array.

Quick Facts

- + Inaugurated July 4, 2013.
- + Covers an area of 100km²
- + 630MW capacity.
- + Powers over half a million homes.
- + Displaces 925,000 tonnes of carbon dioxide emissions per year.
- + 175 total wind turbines; utilising Siemens 3.6MW turbines.
- + Two offshore substations and one onshore substation.
- + Over 400km of cables (array and export).
- + A new purpose-built operations and maintenance base at the port of Ramsgate.
- + Onshore construction started in July 2009, full-scale offshore began in 2011.
- + First power was achieved October 2012,
- + Final turbine was installed in December 2012.