

## 6 kW Wind Turbine Eastchurch C of E Primary School, Kent



The Proven 6kW ground mounted grid connected wind turbine system has been installed and commissioned by Ardenham Energy in May 2009 at the Eastchurch Primary School in Sheerness, Kent.

The site located close to the Thames estuary will benefit from a good wind regime and complements the Solar PV and Solar Hot Water systems already in situ within the building.

The generated power will be displayed at the visitor centre by means of a wall mounted public display, which will outline real time energy production as well as cumulative kWh and CO<sub>2</sub> savings.

The project was funded by a Low Carbon Buildings programme EdF Green Energy grant and an Ashden award.



The installation comprises:-

- Proven 6kW Wind Turbine
- 15 Metre Tower and foundation base
- 2 x Windy Boy 3000W inverters
- Proven rectifier and Control Unit
- Electrical and Mechanical installation
- Tower Foundation and cable groundwork



**Ardenham Energy Ltd** is an engineering contractor certified under the UKMCS Low Carbon Buildings Scheme for grant aided projects ([www.lowcarbonbuildings.org.uk](http://www.lowcarbonbuildings.org.uk)). The company has extensive renewable energy engineering project experience and can provide a full service for wind systems, solar PV (electric), solar hot water systems, ground and air source heat pumps and backup power systems. These can be for domestic, governmental and commercial and non commercial buildings in the Home Counties and London region.

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