

2.5 kW Wind Turbine Mascalls School, Paddock Wood, Kent



The Proven 2.5 kW ground mounted, grid connected wind turbine system has been installed and commissioned by Ardenham Energy in August 2009 in the school grounds of Mascalls School in Kent.

The turbine will benefit from a good wind regime will generate approximately 3000 kWh of electricity per annum.

The installation comprises:

- Proven 2.5 kW Wind Turbine
- 11 Metre Tower and foundation base
- 1 x Windy Boy 3000 inverter

The generated power will be displayed by means of a state of the art display system to demonstrate instantaneous, cumulative energy produced, as well as CO₂ savings.

The project was funded by Kent County Council, Low Carbon Building Programme phase 2 and Community Lottery Funding.



- 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). 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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