

10.4 kWp Solar Electric Arrays Faringdon Junior School, Oxfordshire.



The grid connected solar arrays were installed and commissioned by Ardenham Energy Ltd on the roofs of the Faringdon Junior School in Oxfordshire over the February half term 2008.

The two arrays are a combination of pitched roof mounted and flat roof mounted systems. The project was funded by a combination of school funds and a Low Carbon Building Programme phase 2 grant award. The arrays are almost silent in operation and will generate around 9000 kWh of greenhouse gas free electricity each year.

The installation comprises:-

- 66 no Sharp 170Wp polycrystalline Modules
- 4 no Fronius inverters
- Pulsed kWh Meters
- DC and AC switchgear
- Innovative flat roof mounting system
- Web based display systems
- Graphic Display

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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