

8.5 kWp Solar Electric Arrays

Thornton Heath Early Years Centre, Croydon, Surrey



In Spring Half Term 2010, Ardenham Energy completed the installation of a 8.5 kWp system for the Thornton Heath Early Years Centre in Croydon.

The electricity generated is synchronised with the grid supply via inverters and will be used to supply clean energy to the school, as well as exporting to the grid for use elsewhere when there is more excess energy.

The 8.5 kWp array is almost silent in operation and will generate around 7,000 kWh of greenhouse gas free electricity each year.



The project was funded by Low Carbon Building Programme, and Croydon Council.

The System Comprises

- 50 no Sharp 170Wp crystalline Modules
- 3 x SMA Inverters
- Cable Management
- kWh Meter,
- DC and AC switchgear

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.

For more information contact:

Ardenham Energy Ltd
Ardenham Court
Oxford road
Aylesbury,Bucks, HP19 8HT

Tel 01296 –331362
www.ardenhamenergy.co.uk
info@ardenhamenergy.co.uk



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