

3 kWp PV Installation The Viking Centre Claxby



The 3 kWp grid connected PV array was commissioned in the Spring of 2008 at the Viking Centre in Claxby, Lincolnshire. The project was supported by the Low Carbon Buildings Programme framework funded by BERR, and Ardenham Energy as part of the British Gas Consortium.

The installation was undertaken following the award of a Low Carbon Building Programme Phase 2 Grant to provide 50% of the capital cost. The electricity generated is synchronised with the grid supply via an inverter and will be used to supply clean energy to the property. Energy not used in the centre can also be exported to the grid for use elsewhere.

The 3 kWp array is almost silent in operation and will generate around 2700kWh of greenhouse gas free electricity each year. The installation includes a display in the reception area which will outline real time energy production as well as cumulative kWh and CO₂ savings.

The installation took 5 days to complete and comprises:

- 18 no Sharp 162Wp crystalline Modules
- 1 no Fronius G83/1 compliant IG30 inverters
- Single phase pulsed kWh Meters
- DC and AC switchgear

Working with

**SHARP
SOLAR**



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
Fax 01296 375747
www.ardenhamenergy.co.uk
info@ardenhamenergy.co.uk



MCS 1002
Solar Photovoltaics
Wind Turbines
Solar Thermal
Heat Pumps

Ardenham Energy – The Home of Renewable Energy