

9x 0.5kWp Solar PV Arrays Oxford Vanderbilt Homes



Description

In June 2008 Ardenham Energy completed the installation and commissioning of nine 500Wp grid tied PV arrays in a new build development at 409 Banbury Road in Oxford.

The project was innovative because the Oxford City Council insisted that each flat should benefit from the technology rather than just the communal areas. After some initial scepticism, the client recognised that a PV solution was technically and commercially advantageous.

The energy generated supplies clean energy to each flat and can also be sold to the grid for use elsewhere when there is more energy produced than is needed in the flats. The array is almost silent in operation and will generate a total of around 4500 kWh of greenhouse gas free electricity each year.

The installation comprises:

- 27 no Sharp 162Wp crystalline Modules
- 9 no Mastervolt Soladin Inverters
- Roof tile and flat roof mounting system
- 9 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.

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