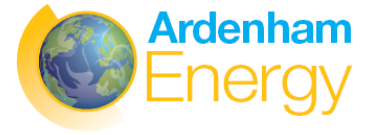


10kWp PV Array Aylesbury Town Council Buckinghamshire



The grid connected roof mounted PV as been installed and commissioned by Ardenham Energy Ltd on the roof of the Aylesbury Town Council Building in the Centre of Aylesbury. The project was supported by the Low Carbon Buildings Programme framework funded by BERR, and Ardenham Energy as part of the British Gas Consortium undertook the installation in April 2008..

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, as well as exporting to the grid for use elsewhere when there is more energy produced than is necessary in the property.

The 10 kWp array is almost silent in operation and will generate around 9500 kWh 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:-

- 60 no Sharp 162Wp crystalline Modules
- 3 no Fronius G83/1 compliant IG30 inverters
- 3 single phase pulsed kWh Meters
- DC and AC switchgear
- Non penetrative flat roof mounting system
- Display Unit

Ardenham Energy Ltd is an engineering contractor certified under the MCS Low Carbon Buildings Scheme for grant aided projects (www.lowcarbonbuildings.org.uk). The company has extensive renewable energy engineering project experience can provide a full service for wind systems, solar PV (electric), solar hot water systems, ground and air source heat pumps and back up power systems for domestic, governmental and commercial and non commercial buildings in the Home Counties and London region.

More information from:- info@ardenhamenergy.co.uk or 01296-331362

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