

7 kWp PV Array Factory Community Centre, Islington



The grid connected roof mounted PV as been installed and commissioned by Ardenham Energy Ltd in April 2008 on the roof of the recently refurbished Factory Community Centre in Islington. The project was supported by the Islington Council Climate Change Fund and the Low Carbon Buildings Programme framework. It was funded by BERR and Ardenham Energy as part of the British Gas Consortium.

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 property can be exported to the grid for use elsewhere.

The 7.128 kWp array is almost silent in operation and will generate around 6000 kWh of greenhouse gas free electricity each year.

The installation took 5 days to complete and comprises:-

- 44 no Sharp 162Wp crystalline Modules
- 2 no Fronius G83/1 compliant IG30 inverters
- 3 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 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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