

# 5 kWp Solar PV Array Tindle Manor



Tindlemanor is a six storey women's centre centrally located at 52-54 Featherstone Street, London. The objects of the company are to provide a woman's centre supporting and promoting activities that further the education, relief from poverty and provision of services to women. It has been the base for a number of women's organisations dedicated to helping and supporting many women in many ways since 1984.

The grid connected roof mounted PV has been installed and commissioned by Ardenham Energy Ltd on the roof of the Tindal Manor office in Islington in September 2008. The project was funded by the Islington Climate Change fund and the Low Carbon Buildings Programme framework funded by BERR and Ardenham Energy as part of the British Gas Consortium.

The 5 kWp array is almost silent in operation and will generate around 4500 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 CO<sub>2</sub> savings.

The installation took 5 days to complete and comprises:

- 30 no Sharp 162Wp crystalline Modules
- 2 no SMA SB2500 G83/1 compliant inverters
- 2 pulsed kWh Meters
- DC and AC switchgear
- Non penetrative flat roof mounting system
- SMA sunny Beam Display Unit

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](http://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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