

## 10.2 kWp Solar electric Array Chipping Norton Lido, Oxfordshire.



In June 2009 Ardenham Energy installed and commissioned a 10.2 kWp system for the Chipping Norton Lido in Oxfordshire. The electrical and mechanical installation was completed in 3 days and will complement the flat plate solar hot water system already installed.

The electricity generated is synchronised with the grid supply via 3 Fronius IG30 inverters and will be used to supply clean energy to the Lido, as well as exporting to the grid for use elsewhere when there is more excess energy.

The 10.2 kWp array is almost silent in operation and will generate around 9000 kWh of greenhouse gas free electricity each year.

- 60 no Sharp 170 Poly-crystalline Modules
- 3 no Fronius IG40 Inverters
- kWh Meter
- DC and AC switchgear
- Wireless kWh / kW / CO2 Display

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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