



# Photovoltaic Energy



Local building business Jones and Hampton Ltd have added to their environmental credentials by installing a photovoltaic system on their factory roof in Halesfield. For 10 years they have been supplying general building, electrical, gas and emergency services to Housing Associations and Local Authorities in and around the Telford area.

Inspiration for this project occurred when the company directors Dave Jones and Steve Hampton visited a sustainable building centre in Leamington Spa where they learnt about the issues that will affect energy supply in the future.



The installation was surprisingly uncomplicated and included minor alterations to the structure of the roof, fitting of the mounting system, electrical work and commissioning. The installation is robust and will easily substantiate a 25 year plus investment. It consists of 54 solar panels and is capable of generating 8000kWh it's believed to be the first of its kind in Telford.

After installing this flagship project Jones and Hampton have gained MCS accreditation this means that they can now install more PV systems on domestic, commercial and public buildings alike.

A positive experience...  
**A Clean, renewable energy source** – generating a maximum of 8000 kWh pa, the equivalent of 4.3 tonnes of carbon emissions! And installing a PV system is supporting the renewable energy industry moving towards a cleaner energy source in the future.

**It makes financial sense** - the feed in tariffs create a financial opportunity with a 10% return on investment and saving on ever increasing fuel prices along with the ability to sell unused electricity back to the grid. The PV system is expected to pay for itself within 8-10 years with a further 15-17 years income, increasing energy prices could shorten this payback period.



**The feel good factor** – society's impact upon the planet is becoming ever more apparent. Jones and Hampton see their PV project as a genuine way of making a contribution to reducing a global problem.

This project is definitely a step in the right direction but there's still a long way to go for Britain. Less than 0.2% of British electricity is produced by microgeneration, far behind Germany who are leading the way with almost 16%!