

SOLAR PV CASE STUDY THE DEANES SCHOOL



The Deanes School is a Specialist Sports College with a commitment to putting students first and investing in staff. The School aims to create a sustainable working environment which meets the needs of the 21st Century and benefits the whole community. The addition of Solar PV as a renewable energy source is one way in which they are fulfilling this aim.



“One major benefit for our school is the ability to introduce the new dawn of energy to students and allow them to tap into and explore other ideas of generating an eco friendly environment”.

Jan Atkinson, Headteacher.

Background:

The Deanes School recently completed a new specially contained building which houses their day nursery, The Enchanted Wood, and opted to include renewable energy in order to reflect their green ideals. They also saw the installation of Solar PV as an investment which could enable the development of future projects.

The detail:

Panel model: Schuco 235

Number of panels: 42

Inverter: 2 x SMA 2000HF, 1 x SMA 5000TL

Monitoring system: Web based monitoring

Annual output: 8,101 kWh / year



The benefits:

Forecast lifetime performance:

- Reduced energy costs
 - 195,234 kWh saved = £75,717
- Revenue generated through FiT and export tariff
 - £68,236
- Reduction in CO₂ emissions
 - 179 tonnes saved



Client testimonials:



"Our carbon footprint really does matter to us. Reducing our carbon footprint is the beginning of reducing some of the damage caused by the exhausted use of non renewables."

"Over the years we will generate surplus energy which will reduce energy costs. This would mean we could push forward with other projects from the investment saved to increase energy efficiency further and really play our part for a renewable future."

Jan Atkinson, Headteacher

"The process was very smooth, quick and friendly... Our Nursery is now benefitting from renewable energy (and the resultant savings), while the school is benefitting from the Feed in Tariff."

Lesley Smith, School Business Manager



"Pupils have reacted positively to the idea... Some pupils have even commented on the appearance saying that it can be seen sparkling from a distance, which makes it look like a landmark to a renewable future."

Jai Makwana, Head of Green Initiatives



“The installation took place over a weekend, with no disruption to staff or children. The inverters have been neatly stored in the electricity cupboard, so, internally there is no impact on the building.” Lesley Smith, School Business Manager

EvoGreen focuses on helping organisations achieve their sustainable energy ambitions.

Our differentiator is that we can provide market leading, Carbon Trust approved, finance options. This enables the cost of a project to be spread over a number of years.



Pictured left to right - Lesley Smith, School Business Manager, Jai Makwana, Head of Green Initiatives and Jan Atkinson, Headteacher.



Solar PV • Solar Thermal • Biomass • Voltage Optimisation

Want to find out more?

Our experienced team are ready to talk you through the benefits of sustainable energy and how we can:

- Reduce your energy costs
- Lower your carbon emissions
- Generate additional revenue

To find out more, please get in touch with one of the EvoGreen team:

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