

## **SOLAR PV CASE STUDY**

### **BLENHEIM PRIMARY SCHOOL AND CHILDREN'S CENTRE**



Blenheim Primary School and Children's Centre is an exciting learning community based in Southend and currently has more than 550 pupils. Children at Blenheim make excellent progress and achieve high standards, benefitting from outstanding care, guidance and support, whatever their individual needs. Blenheim is a Green Flag Eco-School and therefore, educating children about climate change and their environmental responsibilities forms an important part of the curriculum.

**"As a Green Flag Eco-School, educating the children about environmental issues such as renewable energy is an important part of our curriculum. Now we are able to share with them the difference we are making to our carbon footprint by generating our own electricity."**

Darren Woollard - Headteacher



## Background:

Blenheim Primary School and Children's Centre was looking to improve their carbon footprint whilst also making a saving on energy costs. The Solar PV installations provided a sustainable solution to meet their aims.

## The detail:

A 50kWp Solar PV array spread over 6 pitched roofs on the School and a 30kWp Solar PV array on the newly built Children's Centre

**Panel model:** Schuco 235

**Number of panels:** 336

**Inverter:** 6 x SMA Tripower 10000TL,  
2 x 3800 and 1 x 8000TL

**Monitoring system:** 1 x Web monitoring system

**Annual output:** 71,222 kWh / year



## The benefits:

Forecast lifetime performance:

- Reduced energy costs
  - 1,716,452 kwh = £599,119
- Revenue generated through FiT and export tariff
  - £546,269
- Reduction in CO<sub>2</sub> emissions
  - 1,561,750 tonnes saved



## Client testimonials:



"Looking after the environment is extremely important to us.

We always say that *'No-one can do everything, but everyone can do something.'*

Now that Blenheim has its own solar panels we are doing more to reduce our carbon footprint."

**Extreme Green – Blenheim's  
Eco-Committee**

"With the rising costs of electricity and the potential to generate further income for Blenheim in the future, renting the Solar PV panels makes great financial sense. The governing body were delighted to be able to reduce both our fuel bills and our environmental impact."

**Don MacNab-Stark - Chair of Governors**



**"The installation process was fast and efficient. Representatives of EvoGreen have been happy to take the time to answer questions and clarify all aspects of the agreement."** – Darren Woollard, Headteacher.

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.



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:**

Call us on: **01638 555010**

Email us on: **info@evo-green.co.uk**

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Kentford, Newmarket, CB8 7PR**

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