



solarcentury

Case study

Herne Hill School



“Herne Hill School is extremely excited about the C21e solar tile installation”

Dominik Magyar, Headmaster at Herne Hill School

64 C21e solar electric roof tiles installed on Herne Hill School in South London

Herne Hill School is an independent pre prep and nursery school for 250 children based in South East London.

In October 2006, the school installed photovoltaics to both generate electricity and reduce carbon emissions from their building. Choosing to deploy the latest in integrated solar technology, Herne Hill is now the first school in the UK to have the award winning C21e solar tiles. Replacing traditional roof tiles, the 3.3kWp system is set to generate 2,700 kWh (units of electricity) each year and save approximately 1,500 kg of CO₂; the 64 C21e photovoltaic tiles are now a vital part their new extension, covering 24m² of the new roof.

The school wanted their new extension to be both economically and environmentally friendly, with sustainable construction principles applied, particularly with regard to energy efficiency. This high energy efficiency ensures the optimal use of the solar electricity.

In order to engage both pupils and visitors in the benefits of solar power, a custom display was installed in the lobby showing system output and performance.

Dominik Magyar, Headmaster at Herne Hill School, said:

“Herne Hill School is extremely excited about the C21e solar tile installation. An important aspect of the school’s “loving, caring, sharing” ethos is to make the children aware of their environment and place in the world.

Our new Solarcentury installation will help us to reduce our carbon footprint and give something back to the environment. The installation is a step in the right direction and coupled with increased energy efficiency we can dramatically reduce our reliance on fossil fuels.

We are determined to make a difference to climate change and what better way to do so than involving future generations of pupils at Herne Hill School.”



Date commissioned	2006.10.17
Technology	Solar PV
Installation Type	Pitched roof
System size (kWp)	3.328
Forecast electricity generation / year (kWh)	2700
Panel area (m2)	24.9
Building integrated	Yes
CO₂ saving / year (kg)	1533
Type of project	Commercial



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