



SOLAR PV CASE STUDY **THORPE GREENWAYS JUNIOR SCHOOL**



Thorpe Greenways Junior School is a thriving Community School based in Southend, Essex. Thorpe Greenways Junior School has 470 pupils between the ages of 7 and 11. The teachers and governors are all keen to embrace green thinking to educate the pupils and help safeguard their future. The installation of solar panels provides the ideal focus for putting sustainability at the forefront of their curriculum.

“This initiative will be of immense benefit to the Greenways schools for years to come in educational, environmental and, of course, financial terms. We are delighted to be part of it.”

Richard Matthew - Chair of Governors



Background:

The School Council had been tasked to help the school find ways of becoming more environmentally friendly. This has included projects such as recycling and saving energy. The school had been looking at options regarding solar power for a number of years, but Ashley Eastwood, the Headmaster believes the package offered by Evogreen proved to be “the only one that that provided us with exactly what we wanted.”

The detail:

A 47kWp roof mounted array across multiple sites on the school property.

Panel model: Winaico WPS 230 P6
Number of panels: 204
Inverter: 5 x SMA Tripower 10,000 TL
Monitoring system: Graphic Display Unit
Annual output: 40,406 kWh / year



The benefits:

Forecast lifetime performance:

- Reduced energy costs
 - 949,823 kwh = £289,879
- Revenue generated through FiT and export tariff
 - £627,353
- Reduction in CO₂ emissions
 - 891 tonnes saved



Client testimonials:



"The financial and environmental benefits to the school are fantastic and we jumped at the chance to work with Evogreen.

We were so impressed with the benefits of the installation that we decided to install a second phase of 40KWp."

Ashley Eastwood - Headteacher

"It will give numerous opportunities for practical, hands on learning, and will enable the message to infiltrate our local community through young, enthusiastic minds. It is a physical representation of our commitment to being 'green' and represents a 'win-win' situation for all concerned."

Debbie Croud - Deputy Headteacher



"Fitting solar panels to the school roof and creating our own energy has been an exciting project and the children look forward to seeing the impact of the panels and the possibility of fitting more panels in the future."

Denise Knight - Acting Headteacher of Thorpe Greenways Infants School





"The whole process, from the initial survey to the actual installation, was very smooth and the support and expertise provided by EvoGreen staff was invaluable."

Ashley Eastwood, Headteacher, Thorpe Greenways Junior School.

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 - Ashley Eastwood - Headteacher, Ryan O'Connell - Director, EvoGreen plc, Denise Knight - Acting Headteacher of Thorpe Greenways Infants School, Dan Ager - Assistant Headteacher and Debbie Croud - Deputy 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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Email us on: **info@evo-green.co.uk**

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