

Case Study - Swadelands School

Swadelands Comprehensive School: a beacon for the use of sustainable energy in education

Swadelands Comprehensive School in Lenham, Kent built a new School and Community Training and Development Centre. With the help of the Creative Environmental Networks (CEN), they are becoming a beacon for sustainable energy in the community by installing a prominent solar thermal space heating system. Use of the Sun's energy to provide heat to the new building will help reduce climate change. The system will also prove an excellent educational resource, allowing pupils to understand the need and potential for renewable energy systems

It didn't cost the earth...

The CEN renewables team were able to secure 50% funding from Clear Skies Community Renewable Energy Grants, a DTI funding stream.

A bright beginning...and there's more to come

The 9m² of evacuated tube collectors are installed on the roof of the new building. The solar thermal system will provide around 5000 kWh of energy each year for space heating.

It is estimated that use of the system will directly result in CO₂ emissions savings of around one tonne each year.

A commitment to environment and education

Swadelands Comprehensive School was the first secondary school in Kent to receive Eco-School status in 2001, and is a national and regional hub for both school and community priorities. Swadelands School has taken the lead and by installing one renewable energy system, and there are numerous knock on effects as local community groups, householders and other schools are inspired to take action themselves.

Key Points

Technology
5000 kWh solar thermal heating system

Carbon Dioxide Savings
1 tonne per annum

Funding
50% secured through Clear Skies Community Grants

Collaborators
Swadelands Comprehensive School
Creative Environmental Networks

Want to know more?

To find out more about Swadelands School solar project, or to discuss your own project, contact Kent Renewables at Creative Environmental Networks on 0845 602 1834.



Evacuated Tube Solar Thermal Installation, Swadelands School, Kent, August 2004

Creative Environmental Networks, Ambassador House, Brigstock Road, Thornton Heath, Surrey, CR7 7JG
t: 0845 602 1834 f: 02086836601 e: neil@cen.org.uk

