

Unique solar panel project



All around Europe today there are many different solar energy projects.

What makes Växjö's project unique is that on the roof of Teleborg's Centrum School, 532 solar panels have been installed, panels that will also be used in teaching at the school.

The solar panels are not only used for the generation of energy for the school, but also as a teaching instrument in daily lessons. Via a number of displays both students and the general public can watch and see how much electricity is produced, second, by second. The students have access to mobile teaching/ learning modules that they can take with them to be able to directly read off what each module produces and how shade affects production.

These experiments can be used in lessons such as:

- Mathematics – for cost calculations
- English – during international study visits
- Physics – knowledge about renewable sources of energy

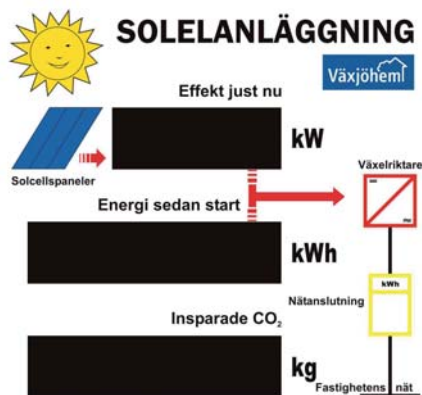
FACTS

The installation of the solar panels was started on the 14th November 2007
Operational start 11th January 2008

Number of solar panels	532
Surface area	528 m ²
Generated power per solar panel	130 W
Maximum power	69 kW
Estimated annual production	58,500 kWh
Requirement approx.	450,000 kWh

Display

From this display both students and the general public can follow the production of electricity via the solar panels, second by second.



Electrical distribution centre

The electrical distribution centre has been equipped with a current rectifier that transforms DC to AC current.



Information

For more information contact Real Estate Manager Carina Herbertsson, telephone +46 470-74 85 85 or via e-mail carina.herbertsson@vaxjohem.se

Guest book

08-02-2008 French film team

Study visit by a French film team who have the assignment from the EU to document different projects within the Concerto Sesac energy area.



13-02-2008 Japanese visit from the Urban Renaissance Agency, Tokyo and the Thermaenius Architect's practice

Yukiko Yana visited Växjö in order to look at timber house construction and those projects that have made Växjö the Greenest City in Europe.

As a part of this, she visited Teleborg's Centrum School to look at the solar panels, their production and how they are used in teaching.



Yukiko Yana - Urban Renaissance Agency
 Bertil Thermaenius - Thermaenius Architect's practice
 Carina Herbertsson - Växjöhem AB
 Hans Andréén - Växjö Kommunföretag AB



26-02-2008 A visit from NBC, USA

Ann Thompson and her colleagues from American NBC visited Stockholm and Växjö during their journey around Europe. Ann Thompson is traveling around the world in order to provide environmental reports for NBC, the largest news broadcaster in the USA. NBC has between 9 and 10 million viewers every evening.

The film that was produced in Växjö will be shown during a special theme week in the middle of April. The focus of the week will be on new, innovative ideas that can positively effect the environment and that should be able to be applied in the USA. During their visit to Sweden, the team will also meet the Swedish Minister of the Environment and the King.



Växjö didn't actually show its most sunny side during the visit. Despite this, the solar panels continued to generate energy.

Ann Thompson on the right and Real Estate Manager Carina Herbertsson on the left.