



## SULFURCELL BECOMES SOLTECTURE: 10 YEARS OF EXCELLENCE IN CIS TECH- NOLOGY AND SOLAR CONSTRUCTION



The tenth anniversary of CIS thin-film pioneer Sulfurcell sees its transformation into Soltecture, and thus the launch of a whole new chapter in the company's history. The new name underlines the company's commitment to perfectly harmonised solar construction that unifies its core areas of expertise, namely solar energy, technology and architecture. After ten years of excellence in CIS thin-film technology, Soltecture is therefore setting a clear signal for its transformation from a dedicated module manufacturer to a provider of integrated PV system solutions. Soltecture offers solar construction from a single source: powerful CIS thin-film modules and perfectly harmonised system solutions.

On 20th May, staff, partners and pioneers jointly celebrated this significant anniversary and the company's renaming in Berlin. On behalf of the State of Berlin, Berlin's Economic Senator Harald Wolf congratulated the company: »Soltecture is one of the world's most successful thin-film technology

companies in the photovoltaic industry. This is a success story for both the Berlin-Adlershof development policy and the innovation policy for the capital region. By promoting the company, Berlin has set the right signal.«

Ranging from the early market introduction of the first thin-film modules based on CIS semiconductors in 2005 and the ramp-up of three production lines to the latest efficiency record of 13.0 per cent and the innovative system solutions for roofs and facades, Soltecture stands for excellence in CIS technology and solar construction.

Soltecture will continue to build on this commitment in the coming years and to set new benchmarks.

**SOLTECTURE.**  
Solar construction. Technology. Architecture.

[www.soltecture-solutions.de](http://www.soltecture-solutions.de)

## SOLTECTURE AT INTERSOLAR EUROPE (HALL A1, BOOTH 161)

Soltecture is reinforcing its commitment to delivering top performing solar technology and architecture in practice – as now defined in the company name. At Intersolar Europe, the company is presenting standardised system solutions for intelligently integrating its powerful and visually attractive CIS thin-film modules. Whether for domestic roofs, industrial sheds or facades, all applications are high yielding, aesthetic and easy to install.

**Soltecture will be presenting its new system solutions at Intersolar Europe 2011 in Hall A1, Booth 161: SOL-30 mounting system, the free online planning software SOLutions and its new flat roof system.**

## SOLutions: PLANNING EVERYWHERE AND AT ANY TIME

With SOLutions, Soltecture offers planners and installers a free, Internet-based planning tool that is always available. This enables every customer wish to be individually, quickly and precisely planned – from any computer with an Internet connection, whether at your desk or on site by the customer. The software covers the system planning, comprehensive inverter configuration and detailed documentation of the entire project. The planning possibilities provided by SOLutions range from the structural calculation of the wind and snow loads to DIN 1055 to the consideration of spatial impediments such as windows or dormers. To enable customers to gain an impression of their solar power system as soon as possible, the tool even directly creates a professional presentation of the new roof appearance.

Please note that the software is currently available in German and will be soon available in English.

## SOL-30 ROOF-MOUNTED SYSTEM: QUICKLY AND EFFICIENTLY TO YOUR DESIRED SOLUTION

SOL-30, the high-end mounting system for framed Soltecture solar modules, enables tool-free and therefore quick and cost-effective installation on any roof: the modules are not screwed but inserted in special horizontal profiles that ensure excellent rear ventilation and removal of snow. In addition, the connection with the horizontal profiles ensures tension-free mounting of the individual modules. This enables the modules to unleash their full performance capabilities and impress through high yields and long service life, which in turn considerably increases the investment security. In addition to its functional properties, SOL-30 also meets the highest aesthetic demands: combined with the black corrosion-resistant aluminium in the visible part of the system (cover strips and end caps), a particularly attractive, lasting impression is created. The patented process makes it easy to expand the system and we've even thought about security: SOL-30 also comes supplied with the SOL GUARD theft protection system.

## FLAT ROOF SYSTEM: AERODYNAMIC LIGHTWEIGHT WITH A POWERFUL OUTPUT

The new flat roof system from Soltecture enables previously unusable lightweight roofs with low load bearing capacities to be utilised for photovoltaic systems. With 49 kWp per 1,000 m<sup>2</sup>, it is extremely powerful and, because it is not restricted by the direction in which the building is oriented, it can be oriented in a southerly direction without any additional expenditure. The system weighs less than 13.9 kg/m<sup>2</sup>. The design was optimised by means of intensive tests in a wind tunnel to enable the necessary ballast to be reduced to a minimum without reducing the stability. Because it is not necessary to penetrate the roof surface in order to fix the structure, the PV system can also be used on roofs covered in bituminous sheeting, gravel or roof membranes. Compared with other flat roof systems on the market, the solution from Soltecture provides the most prefabrication. The system can be installed on the roof without tools and in just a few easy steps. This means that considerably less effort is required for the installation than with conventional systems that first of all require a substructure to be constructed in order to screw down the modules.



SOL-30 (left picture series)  
Flat roof system (right picture)

