



GeneCIS Modules by Würth Solar win acclaim at Solar Decathlon 2009

Team from TU Darmstadt wins international solar competition

Schwäbisch Hall, 29 October 2009. For the second time in a row, the Technical University Darmstadt has won over the jury at the Solar Decathlon and took first place with its solar house. At the international university competition, organised by the US Department of Energy, pre-qualified universities were given the task of planning and building a residential house run entirely by energy from the sun. The most attractive and energy-efficient solution was awarded a prize. The team from Darmstadt successfully used GeneCIS photovoltaic modules from Würth Solar to form the entire exterior shell of the building.

The winners from Darmstadt excelled most notably in the 'Energy' category, thereby securing first place. In this category, the energy gained and the energy exceeding the needs of the house is measured. The energy yield of the TU Darmstadt's house (located in Washington) was 2.4 times higher than its consumption. Thus, it marks a groundbreaking step in the development of plus energy houses. The 260 GeneCIS modules from Würth Solar make up a significant part of the elaborate energy concept and, with their matt-black look, give the house an attractive overall appearance.

"We congratulate the team from the TU Darmstadt on their wonderful performance and are pleased to hear about the success of the solar house. The result shows once again how suitable GeneCIS modules from Würth Solar are for facade integration. In Washington, the combination of aesthetic and performance shone through on the day", commented Karl-Heinz Groß, Managing Director of Würth Solar.

The GeneCIS modules built into the solar house reach an overall rated output of 7.8 kWp and therefore played a major part in the success of the team lead by Manfred Hegger, professor of architecture. The frameless modules with special dimensions of 1,200 x 300 mm were manufactured at the CISfab in Schwäbisch Hall especially for the Solar Decathlon.



We are pleased to provide you with high-resolution images. Preview:



The TU Darmstadt's Solar House

GeneCIS modules from Würth Solar form an attractive exterior shell around the two-storey house.

(Source: Jim Tetro, U.S. Department of Energy, Solar Decathlon)



The Winning House at the National Mall in Washington, D.C.

School work in the open air

(Source: Stefano Paltera, U.S. Department of Energy, Solar Decathlon)



About Würth Solar

Würth Solar, a company in the Würth Group, is a full-line provider of photovoltaic systems based on CIS technology. In its specially constructed CISfab solar factory in Schwäbisch Hall, Germany, Würth Solar became the world's first company to begin large-scale mass production of CIS solar modules in autumn 2006. CIS stands for the chemical compound of the elements copper, indium and selenide (CuInSe₂). From the development and production of GeneCIS solar modules to customer-specific consultancy and system planning of solar energy systems through to installation and support for these systems via certified service partners, Würth Solar provides its customers with everything from a single source. Würth Solar currently employs around 220 staff.

Further information can be found at www.wuerth-solar.de.