Press release

SUNFILM AND SUNOVA PUT MORE THAN 1MWP OF THIN FILM TANDEM JUNCTION MODULES ON ROOFS

Grossroehrsdorf/ Grasbrunn, Germany – August 11, 2009. Sunfilm AG, Grossroehrsdorf and Sunova AG, Grasbrunn announced today that Sunova is completing projects with a combined capacity of over 1MWp of Sunfilm's Model Q in various projects in Germany and Spain.

Model Q is Sunfilm's tandem junction silicon thin film module, manufactured in Grossroehrsdorf in a 1.1 x 1.3m^2 format. Sunova has developed special mounting systems, connecting to the back bars of Sunfilm's Model Q for installations on certain membrane or trapezoid industrial flat roofs. These mounting systems, called "Quick Fix" (applied for patents) are designed to have superior mechanical stability as well as fast installation times and minimal material requirement.

"We believe that with Sunfilm's modules in combination with our proprietary mounting solutions we are supplying an excellent and competitive product to the market," says Werner Innerhofer, CEO of Sunova. "During the development of our mounting system, the collaboration with Sunfilm has been very constructive and we are now pleased to see the positive response from our customers to this product combination."

In addition to the Model Q installations, Sunova has already realized over 850kWp in projects with Model SN2 modules out of Sunfilm's facility in Thalheim. Sunfilm's tandem junction thin film technology is particularly well suited for commercial roof installations, because they maintain their excellent energy efficiency, even when installed in near-parallel roof orientations. In this almost horizontal orientation, the modules can be installed much closer together while avoiding the negative effects of shadowing by adjacent rows of modules. "In addition to this orientation advantage, our modules also maintain their efficiency at lower irradiation conditions, such as for most regions in Germany," according to Dr. Sicco Westra, Chief Business Development Officer at Sunfilm, "Finally; their low temperature coefficient makes these modules a perfect choice for installations in hotter climates such as Spain or other Mediterranean countries. Therefore, we expect this market segment to continue as one of Sunfilm's key areas of business focus."

Sunfilm

Sunfilm AG is one of the world's largest manufacturers of silicon-based thin-film modules with a combined capacity of ~85 megawatts peak (MWp) at its two German production sites in Grossroehrsdorf and Bitterfeld/Wolfen. The company has an additional 60 MWp of capacity under construction as well. Thin-film is one of the fastest growing segments of the solar PV industry. Sunfilm's innovative technology for tandem junction thin-film silicon solar modules allows a larger part of the solar spectrum to be harvested, leading to higher module efficiencies. Additionally, the amount of silicon needed to produce these modules is significantly less than for silicon wafer based technologies. Sunfilm AG is headquartered in Grossroehrsdorf and employs about 400 people. **www.sunfilm.com**

Sunova

Sunova offers extensive flat-roof expertise combined with latest generation solar photovoltaic technology. This integrated approach forms the basis for a pan-European network of highly professional roof sealing specialists. Sunova's flat roof sealing systems have an extremely long service life, and are optimally compatible with our patented PV attachment solutions as well as with the innovative PV thin-film technology.
This in turn allows for the realization of large-scale, technically impeccable solar roofs using thin-film technology (glass/glass modules) or flexible photovoltaic roofing membranes. In our capacity as general contractor for such projects, we are able to provide single-source solutions that optimally marry flat roof to solar technology. **www.sunova.eu**

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