

Press release

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Date: 02 June 2010

SUNOVA AG in Spain

Comercial Loexme: At 850 kWp Europe's largest roof solar power installation with silicon thin-layer tandem junction technology



In 2008 Spain has seen a drastic decline in political incentives for photovoltaic installations. Despite cuts in government subsidies, Catalan cable manufacturers Comercial Loexme in 2009 commissioned SUNOVA with the erection of one of Europe's highest-capacity solar power installations. Located in the city of Les Franqueses del Valles in the Province of Barcelona, the power plant covers a flat-roof area of several

thousand square meters and has a capacity of more than 800 kWp.

Les Franqueses del Valles, 02 June 2010: German photovoltaics specialists SUNOVA AG installed a roof solar power station at the premises of Spanish project partner Comercial Loexme. In record time from May to August 2009, 7530 thin-layer silicon tandem junction modules with a total rated capacity of 853 kWp were installed on the flat roofs of two buildings.

Because it was relatively unobstructed, the roof of the larger hall could be almost completely covered with modules: Of the available 11,400 square meters, SUNOVA covered nearly 85 percent with thin-layer photovoltaic modules that were laid parallel to the roof. To fit the panels, SUNOVA used its MCG 2.1 mounting system, which does not apply additional load on the roof and can be installed without penetrating the high-quality FPO roof sealing (Sarnafil TS 77-20 from Sika). Compared to its predecessor MCG 2.0, the base profiles of the new generation mounts have a larger contact area with the roof surface, which reduces the linear forces acting on the roof insulation. While the first generation of the MCG mounting system required the solar modules to be secured to their supports on site with laminate clamps, they are now factory fitted and clamped to their mounts. As well as simplifying the process of installing the modules, the new system makes for a more attractive appearance, as it eliminates the clamps that previously protruded between the solar cells. The silicon thin-layer modules manufactured by Applied Materials are ideally suited for this mounting method.

As cable manufacturer, Comercial Loexme supplied all required cabling and connectors for the roof installation as well as providing production facilities for preassembly of the SUNOVA mounting system's substructure, which significantly cut the time needed to install the solar panels on the roof.

Combined with the long hours of intense sunshine in the Mediterranean, the almost seamless coverage with thin-layer photovoltaic cells results in an average annual reduction in emissions of more than 780 tonnes of carbon dioxide (CO₂).

For all visitors at the Intersolar trade fair: Further information and advice will be available at the SUNOVA stand, A5.628, in Hall A5. **Images relating to the press release** are available on the Internet under <http://www.pressebox.de/suche?startsuche=1&query=sunova> or from the following PR contact:

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About SUNOVA

SUNOVA unites extensive experience in flat-roof construction with the latest in photovoltaics technology. This comprehensive approach forms the foundation for a pan-European network of highly qualified sealing operations capable of realizing photovoltaic solutions that are optimized for any flat roofing system. The functionality and profitability of all solutions are guaranteed for at least 20 years. SUNOVA supplies exceptionally long-lived flat roof weatherproofing united with perfectly matched, patented photovoltaic mounting systems and state-of-the-art thin-layer technology (glass-glass) and crystalline modules complete with frames. As general and project contractor, SUNOVA provides perfected flat roof and solar energy solutions from a single source.