



Press Release

June 12, 2015, Villaz-Saint-Pierre, FR, Switzerland

Transparent coloured photovoltaic cells manufactured in Switzerland at the Universal Exhibition in Milan 2015.

glass2energy mounts its large photovoltaic glass encased Grätzel panels at the universal exhibition.



During the forthcoming 6 months, a sun made up of photovoltaic coloured glass panels tailor made by **glass2energy** (Switzerland) and **SFL-Technologies** (Austria) can be seen on the roof of the Austrian pavilion at the universal exhibition « Expo Milano 2015 ». Eighty panels in red, orange and green were manufactured at the **glass2energy** facilities in Switzerland and were subsequently mounted in the shape of a sphere manufactured by **SFL-Technologies**, to form a multi-coloured sun that is clearly visible as it is the tallest construction of the exhibition.

From a practical point of view, the panels weigh 10 kg each and measure 100x60 cm. They are not only the largest modules currently available worldwide, but they are also the only glass sealed panels on the market, thus ensuring an improved lifespan. It is one of the few photovoltaic technologies working with transparent panels that function on both sides. This technological accomplishment is based on the works of Professor Michael Grätzel from the EPFL, Lausanne, Switzerland, who has a worldwide recognition with his dye-sensitized solar cells (DSC). The Austrian pavilion will benefit from the energy produced by the panels mounted in the sun with a yield of 20-30 watts/m². For this specific application, esthetics were considered more important than the actual energetic output.

From the very beginning, glass2energy, a start-up founded in 2011, focussed all its endeavours on the industrial manufacture of glass sealing. As a result of this development, the DSC technology can be integrated in major architectural projects. The first installation at the airport of Geneva (Switzerland) will be followed by other projects in Europe thus opening the gateway to installations worldwide thanks to this advanced technology that combines both sustainable energy and esthetics.

For the millions of visitors expected in Milan, the sun will not set at the exhibition. Thanks to the LEDs that SFL-technologies mounted in the construction it will be visible day and night!

***glass2energy**, founded in 2011, is active in the industrial manufacture, sales & marketing of DSC (dye-sensitized solar cells) based on the cell technology developed by professor Michael Grätzel of the EPFL in Lausanne Switzerland.*

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