



Sol3g makes a 1 kWp pilot installation financed by Solúcar, an Abengoa subsidiary

- This pilot installation is the first step of a collaboration that includes the supply of 20 kWp of high concentration modules to be mounted on a solar tracker developed by Solúcar
- Both systems are located in the Solar Platform of Sanlúcar la Mayor, Sevilla

Sol3g and Solúcar have reached an agreement in order to make a first 1 kWp pilot installation based on Sol3g's high concentration systems.

This agreement also includes the supply of 20 kWp of Sol3g's high concentration modules to be mounted on a two-axis solar tracker developed by Solúcar. This first pilot project means the beginning of a close collaboration between both companies.

The resulting 21 kWp will be installed in the Solar Platform premises of Solúcar – one of Abengoa subsidiaries -, located in Sanlúcar la Mayor, Sevilla. In this platform Solúcar is building plants based on different solar technologies, which will reach 300 MWp.

Sol3g, a 100% Spanish capital and technology firm, the headquarters of which are located in the technological park named "Parc Tecnològic del Vallès" in Barcelona, is one of the first companies worldwide to sell HCPV (High Concentration Photovoltaics) systems based on triple-junction cells, having already realized several pilot installations in Denmark and Spain (Gerona, Barcelona and Sevilla) with highly encouraging results.

Sol3g's HCPV modules include Fresnel lenses and secondaries combined with triple junction cells; they use a 476 suns optical concentration ratio – meaning they concentrate 476 times the solar irradiation onto the area of the cell – and high efficiency cells, which allows to reduce dramatically the quantity of semiconductor used. The design of the module and the components has been done giving priority to the whole system efficiency and low manufacturing costs.

The main goal of the company is to offer a real alternative to the current technology, based on silicon flat panel, thanks to a huge reduction of photovoltaic conversion costs, that may be reduced by half in a very near future.

The company plans aim at increasing its production capacity up to 5 MWp / year as well as maintain its efforts in research and development in order to continue as a leading company worldwide.

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