

# GOPV for Europe's renewables

Published on Friday, 8 June 2018



*Enel Green Power, together with its 3SUN photovoltaic panels factory, take part in the European GOPV project, where technical advances aim to lower the price of solar PV technology through cost optimization and extension in life cycle and efficiency of the main system components.*

Enel Green Power and 3SUN are among the main actors of **Global Optimization of integrated PhotoVoltaics system for low electricity cost** (GOPV). A European project, set up to favor the spreading of renewable energy throughout international markets, by developing innovative components and maintenance techniques.

“Six companies, five research centers, one association and five nations: this is the lineup of the Consortium that makes up GOPV, a project aiming to bolster the competitiveness and lower the costs for Europe's solar PV.”

## **Innovation, optimization, efficiency**

GOPV's innovation and experimentation package will focus on the bifacial heterojunction (HJT) photovoltaic technology. EGP prides itself in being a market leader in this sector, thanks to its 3SUN factory, boasting cutting-edge assembly lines on solar trackers and power converters.

“EGP brings to the programme its specific know-how, centered on the bifacial HJT technology, but it also participates as the end user of the very technologies it’s developing as part of the project framework.”

The Consortium will benefit from one of EGP’s solar park being built in Southern Europe for a series of **real life tests** of all technologies the project’s partners are currently developing.

The testing phase aims to demonstrate the effectiveness of new technologies poised to optimize the construction and management costs of solar plants, while also enhancing their efficiency and life cycle, offsetting a positive impact in terms of environmental sustainability.

## **Union makes strength (of renewables)**

EGP and 3SUN as respectively, an electric utility and a maker of innovative PV panels, are part of the rich tapestry that makes up the GOPV project. The full lineup is made up by **six industrial partners, five research centers and one association**, representing five European nations and all of them established leaders in their respective sectors.

The **GOPV** project is made up by a network of international partners, funded by the [Horizon 2020](#) European Union research and innovation program, part of the 792059 Grant Agreement following call LCE-10-2017.

The Grant Agreement was signed off by the European Commission at the end of March 2018, while the following month saw the kick-off meeting taking place at the project’s coordinator HQ at [CEA INES](#) in France, at the presence of all project partners. The first certified results of this testing endeavor are slated for 2020.