ADVANCE BEYOND THE STATE OF THE ART

SERENDIPV

Smooth, Reliable and Dispatchable Integration of PV in EU Grids

The project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement n. 953016.

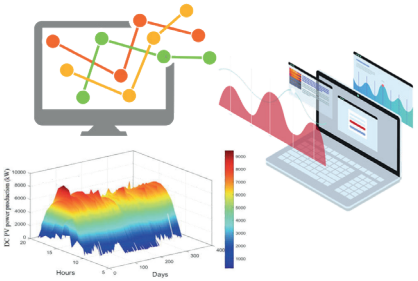
WHAT IS SERENDI-PV?

SERENDI-PV is a four-year, 12 million Euro project funded by the European Commission working to advance the energy transition in Europe through:

- Improving the lifetime, reliability, performance & profitability of PV generation
- Increasing the penetration of PV generation in the European grid with improved stability.

Project innovations will be developed with specific focus on new and innovative PV technologies like bifacial, BIPV and floating PV systems.

#SERENDIPV



With advanced algorithms, PV energy production could be predicted earlier than it is possible today. The integration of PV depends on a stable flow of energy. With newly developed models, solar energy production is forecasted with more precision and further ahead of time.

INNOVATIONS

SERENDI-PV will develop innovative, advanced and automated functions using data based analytics to monitor and diagnosis faults at utility-large, medium-size and small-residential scale PV plants.

PROFITABLE

- Easy grid integration
- PV Energy Forecasting models
- Innovative PV implementations

RELIABLE

- Failure detection with drone imaging
- Diagnosis toolboxes
- New fault detection hardware

PREDICTIVE

- Digital twins
- Artificial Intelligent algorithms
- State of the art PV data analytics

PARTNERS

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