

Polish start up is offering an innovative application "One-minute App" for best positioning of photovoltaic (PV) system. Ideal Solar Panels Placement for maximum energy gain.

Summary

Profile type

Business Offer

Company's country

Poland

POD reference

BOPL20250109017

Profile status

PUBLISHED

Type of partnership

Commercial agreement

Targeted countries

• **World**

Contact Person

[Noriko MITA](#)

Term of validity

9 Jan 2025

9 Jan 2026

Last update

9 Jan 2025

General Information

Short summary

A Polish company offers a revolutionary technology in Business Information Modelling to increase solar panels efficiency by up to 35%, developing a blueprint designed in just 1 minute using satellite and in-site data. It is a mobile application that streamlines the design of PV installation and saves time and money. The company is looking for cooperation with intermediaries for software sales but also with energy companies, installation companies and those trading components for green energy.

Full description

The company based in Eastern Poland has developed an app that checks the best positioning for PV system on roofs that are arranged in the direction of most solar energy. The application uses scientific methods and measurement data obtained from smartphone sensors.

Award winning technology in Business Information Modelling to increase solar panels efficiency by 35%.

- 1 minute App: using satellite & on-site data

- World Urban Forum Energy Challenge Winner

It is currently the only tool in the world that will determine the best direction for panels taking into account shading and obstacles standing in the way of full solar conversion. Create an efficient PV installation through three simple steps that will save time and money.

Up to 35% more energy: efficient installation design allows for higher energy yield due to the most optimal positioning of the panels.

Advantages and innovations

The main advantages of the offered product are:

- precise design of a standard and efficient installation - in 1 minute
- saves the energy up to 35%
- no skilled personnel required
- no roof visit or measurements required
- takes into account shading in the form of trees, chimneys, neighboring buildings and greenery
- design for more complex architecture up to 5 minutes
- instant online report with a unique password
- it is an ecological solution that reduce carbon footprint
- tailored to particular company's needs

Current software functionality:

- geographical location readout
- marking a building on a satellite map
- measurement of angular distribution of shading sources
- marking of obstacles on the roof surface
- insolation of individual roof surfaces (MVP)
- standard installation design
- design of an efficient installation
- daily graphs of generated power
- forecasts of total energy yield
- instant online report
- online report, 3D interactive model of roof PV installations
- online report, obtain individual modules
- online report, editing panel
- online report, automatic elimination of panels with low efficiency
- online report, coverage of the desired amount of energy demand of the building
- online report, the desired number of panels in the installation

Technical specification or expertise sought

Stage of development

Sustainable Development goals

- **Goal 13: Climate Action**
- **Goal 7: Affordable and Clean Energy**
- **Goal 9: Industry, Innovation and Infrastructure**

IPR Status

IPR Notes

Partner Sought

Expected role of the partner

- cooperation in distribution
 - use of the application for auxiliary needs
 - piloting applications with reputable partners, e.g. energy companies, installation companies, etc
 - cooperation in the field of distribution/brokerage e.g. a large entity in Portugal becomes a Polish company's main intermediary with preferential prices and discounts.
- It could be also a large energy company or a large installation company, a network trading components for green energy e.g. from photovoltaic panels, heat pumps, etc.

Type of partnership

Commercial agreement

Type and size of the partner

- **SME <=10**
- **Big company**
- **SME 50 - 249**
- **University**
- **SME 11-49**
- **R&D Institution**

Dissemination

Technology keywords

Market keywords

- **06003001 - Solar/thermal energy**
- **06003002 - Photovoltaics**
- **02007007 - Applications software**



Targeted countries

- **World**

Sector groups involved

- **Digital**
- **Renewable Energy**

