

A Ukrainian startup that has developed a service for upgrading conventional PV panels to a hybrid that allows you to receive two energies (heat and electricity) from one PV panel is looking for partners and investors.

## Summary

Profile type	Company's country	POD reference
<b>Business Offer</b>	<b>Ukraine</b>	<b>BOUA20230724016</b>
Profile status	Type of partnership	Targeted countries
<b>PUBLISHED</b>	<b>Commercial agreement</b> <b>Investment agreement</b>	<b>• World</b>
Contact Person	Term of validity	Last update
<b><a href="#">Rita ELSTE - TOMSONE</a></b>	<b>24 Jul 2023</b> <b>23 Jul 2024</b>	<b>24 Jul 2023</b>

## General Information

### Short summary

An energy start-up from Ukraine offers services for upgrading conventional PV panels to hybrid (PV-T panels) for potential partners (solar installers and construction companies) in Germany and the EU. Target partners are solar power plant installers and construction companies.

### Full description

- A technology has been developed to add a unique polymer-based cooling system of its own configuration to any conventional photovoltaic panel. With this upgrade, the conventional panel is transformed from purely electrical to an electrothermal panel (PV-T).
  - The company has been developing this technology for over 20 years. The first patent was received by the company in 2002.
- The company is looking for local partners and potential investments (€300K+).

### Advantages and innovations

The technology is designed to use existing fixtures so solar installers don't have to change their processes to install upgraded panels.

The main advantage is in retrofitting existing (new or installed) photovoltaic panels rather than custom new ones.

Upgraded panels allow the customer to use 95% of solar energy.

The solution reduces the carbon footprint of the average single-family home by 5.5 times.

The benefits for customers are the low price for own energy production (about 0.14 EUR/kWh), extended lifetime of photovoltaic panels and passive income from the sale of energy.

The overall efficiency of the upgraded PV panel has been increased from 20% to 95%.

### Technical specification or expertise sought

#### Stage of development

**Already on the market**

#### IPR Status

**IPR granted**

#### Sustainable Development goals

- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 7: Affordable and Clean Energy**
- **Goal 17: Partnerships to achieve the Goal**

## Partner Sought

#### Expected role of the partner

The company is looking for solar power plant installers and construction companies that will become partners and offer our services to customers.

The company expects partners to offer our PV hybridization solution to customers and partners.

#### Type of partnership

**Commercial agreement**

**Investment agreement**

#### Type and size of the partner

- **SME <=10**
- **Other**
- **SME 50 - 249**
- **SME 11-49**

## Dissemination

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### Technology keywords

### Targeted countries

- **World**

### Market keywords

- **006005003 - Other solar**
- **006005002 - Photovoltaic solar**
- **08005 - Other Industrial Products (not elsewhere classified)**
- **006005001 - Solar energy**

### Sector groups involved

- **Renewable Energy**
- **Energy-Intensive Industries**
- **Electronics**