

## Renewable energy sources – PV solar plant with a capacity of 1,781 kWp

Sole Proprietor (SP) Zharinov V.E. is actively developing renewable energy projects in the Mogilev region of Belarus.

The other key business of the investor is commercial real estate development and management. In addition, it owns Stekloplastinvest Ltd., a leader in insulated glass and aluminium frame installations.

The PV plant is a ground mounted solar photovoltaic installation with an installed capacity of 1,781 kWp in the Mogilev district. It is connected to the distribution grid operated by Mogilevenergo.

The entire electricity production is supplied into the grid thus benefiting from the regulated feed-in tariff scheme for renewable energy. The project contributes to the development of renewable energy sources in the country and to the reduction of CO<sub>2</sub> emissions.

Photovoltaic solar plant



### Project highlights

<b>Location</b>	Mogilev district / Mogilev region
<b>Type of project</b>	Renewable energy The main technical components of the project comprise of photovoltaic modules – 7,126 pieces, type – REC 250 PE, producer – REC Solar ASA, and inverters - 176 pieces, type – PVI 10000, producer – PAIRAN Elektronik GmbH
<b>Project results</b>	Energy production from renewable sources and CO <sub>2</sub> emissions reduction
<b>Total project cost</b>	USD 2.5 million
<b>Total loan</b>	USD 1.5 million (from OJSC Belgazprombank within BeISEFF)
<b>Payback</b>	6.4 years
<b>Renewable energy production</b>	1,600 MWh per year
<b>CO<sub>2</sub> emission reductions</b>	Approximately 770 tonnes per year

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The technical assistance for the project included an analysis of the proposed technology, the financial and technical parameters and risks. It was provided by the BeISEFF Facility consultant (a consortium of KPMG Česká republika, s.r.o. and ENVIROS, s.r.o., Czech Republic) and financed by the Ministry of Finance of the Czech Republic through the Official Development Assistance trust fund.