Ecoclub

Pishcha Outpatient Clinic of Family Medicine

Volyn Oblast

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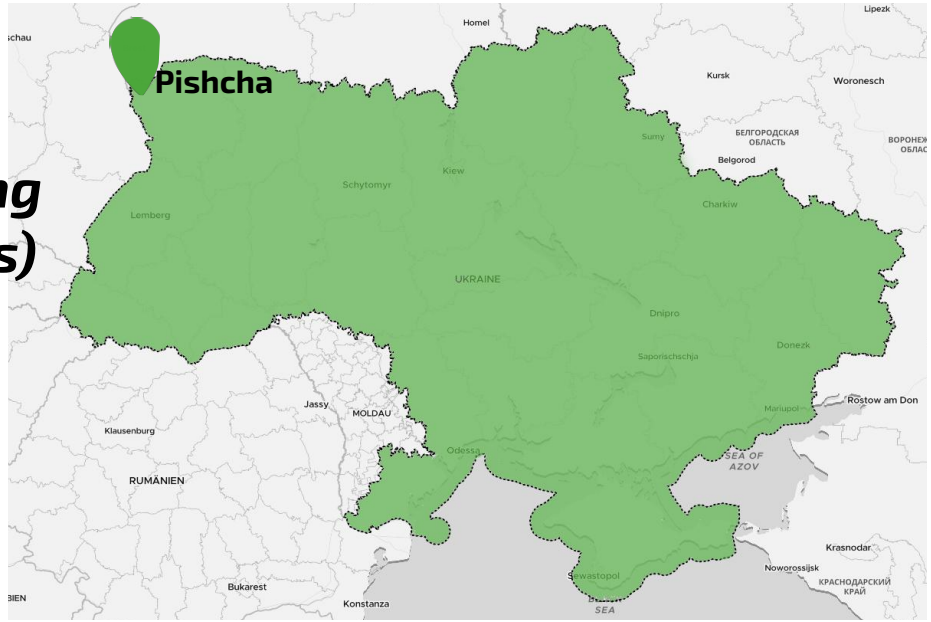
Location

Medical facility ‘Pishcha Outpatient Clinic of Family Medicine’

Pishcha is a village in Volyn Oblast, Ukraine. It is located in the Shatsk Territorial community, Kovel district, Volyn Oblast.

This medical facility serves about 1,000 people (including internally displaced persons)



Click here for further info

Pischtscha – Wikipedia

Why this project exactly?

The facility currently faces reoccurring power outages with some lasting **up to 6 hours**. While they have a 21,8 kW generator, it is a single-phase network one, while the facility is on a three-phase network. When power fails, the power supply is suspended for **nearly 1,000 people** (including IDPs). This poses a direct risk to public health and well-being.

Unlike the current generator that only covers the power needs of the general practitioner's office and the lab, a three-phase SPP would ensure the entire facility remains operational even during outages. Projected time of autonomous system operation is 2h.

Pishcha is located **only 3 km** from the **Belarussian border**. An alternative, renewable energy source will make the facility more resilient against potential attacks on the energy infrastructure and power outages..

The project is nearly ready with a working draft, expert reports, and necessary materials.

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Project impact

The multiple positive effects of this project

1. **Guaranteed access to medical assistance** for nearly 1,000 residents, including internally displaced persons (IDPs), who currently lose access to proper care during power outages.
2. By generating power locally and independently, the facility becomes more **resilient against shelings and damage** to the local power distribution system, which Pishcha has already experienced.
3. **Provides a long-term energy solution** for a community located only 3 km from the border line, strengthening the "critical infrastructure" status of the facility.

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Hardfacts

Our goal: Energy efficiency

We install rooftop solar panels to enhance resilience against blackouts and build a sustainable infrastructure.

Solar Modules, DC	11.11 kW
inverter, AC	15 kW
Battery storage	20.48 kWh

€1872	saved annually
2 hours	of blackout covered (winter n sun - long summer day)
4.68 tons	of CO2 emissions avoided

208 MWh total power plant generation (25 years)

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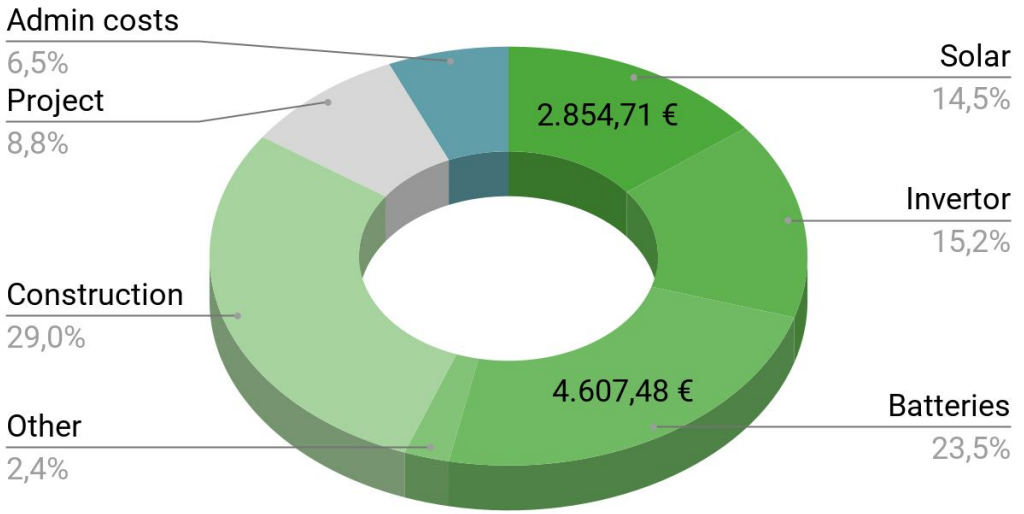
Project cost

Costs needed - EUR 19.637,56 €



Ecoclub

“The sustainable development of society will ensure the harmonious development of humanity without harming nature”

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