Ecoclub

Regional Municipal Enterprise “Mykolaivoblenergo”

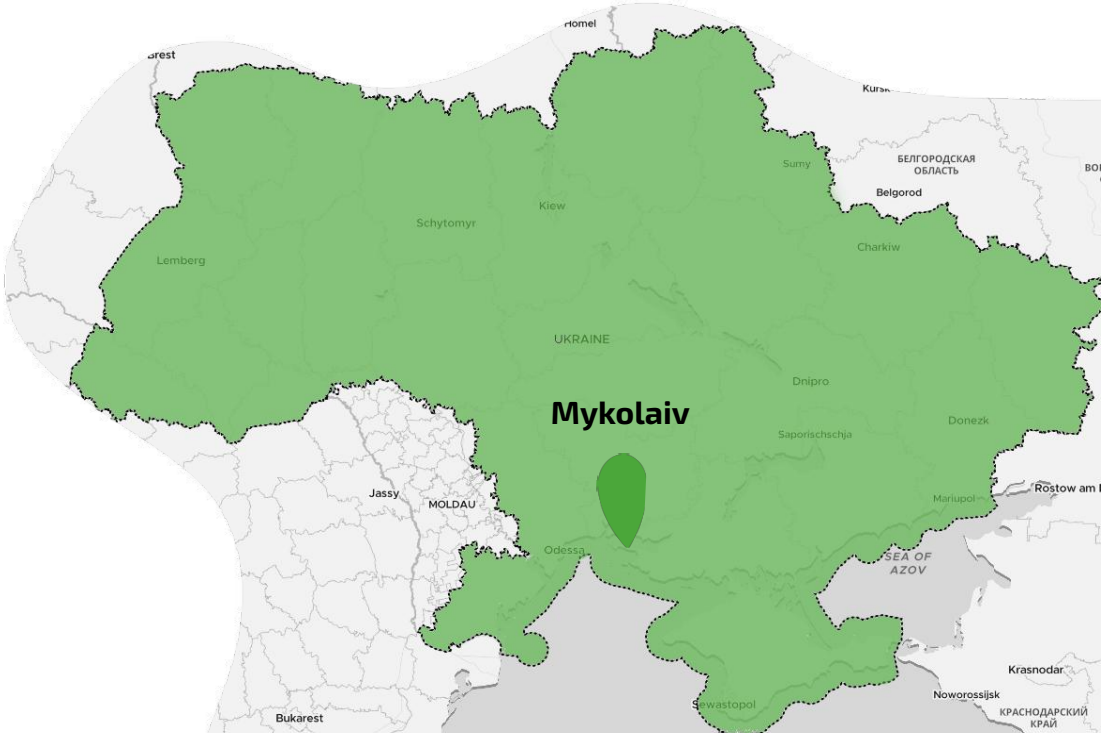
Mykolaiv city

Image: Google Earth

Location

The regional enterprise “Mykolaivoblenergo”is the main heat and hot water provider

Provides heat to more than 60% of the population of Mykolaiv, meaning that 310,000 people receive heat and hot water in their homes



Mykolaiv - Wikipedia

Why this project?

Why fund the SPP for “Mykolaivoblteploenergo”?

1. Secures TWO life-support services in one site

- The administrative complex supports the operation of the enterprise as a whole and its staff. The complex houses a center with software and servers, an administrative building, a dispatching office, and an emergency dispatching service (EDS), which is of invaluable importance to the company's operations: it works around the clock and responds promptly to heating main accidents, quickly localizing and eliminating these accidents.
- There is also a purified water distribution point for the public on the territory. This reverse osmosis station provides 164,000 liters of water per month to the population living in the area.

2. Huge humanitarian reach for a modest capital expenditure

A single rooftop PV system shields operations that serve **60 % of Mykolaiv's population**, including **48 000 IDPs**, 30 hospitals, 118 schools and 1300 apartment blocks—far greater leverage than individual-building solutions.

The company services 123 boiler houses with a total capacity of 628.747 Gcal/hour and 243,85 km of heating networks in a two-pipe calculation.

SVAROG + Ecoclub

Why this project?

Why fund the SPP for “Mykolaivoblteploenergo”?

3. Cuts runaway diesel and grid costs
Under the current 4 h ON / 2 h OFF electricity distribution schedule (and appearing days of power outages), the utility burns large volumes of generator fuel. Solar power trims those expenses immediately and releases budget for roof repairs on 34 additional water points.

4. Strengthens resilience in a single-feed city
Mykolaiv relies on one external high-voltage feeder—any strike or accident can black out the entire utility. On-site generation provides a critical layer of independence and buys time for grid restoration.

SVAROG + Ecoclub

Project impact

The multiple positive effects of this project

1. **Greater energy independence** – locally produced renewable electricity reduces reliance on the city's single external feeder, strengthening resilience against wartime grid disruptions and safeguarding services for **60 % of the city's population**, including **48 000 IDPs**.
2. **Lower operating costs & budget headroom** – replacing grid power and diesel-generator use trims the utility's largest expense line, freeing funds to repair roofs on 34 additional water-distribution sites, buy reverse-osmosis consumables, and modernize heating infrastructure.
3. **Environmental leadership & safer working conditions** – the solar plant cuts noise, fumes and an estimated **≈ 95 t CO_2** annually (based on a 100 kWp design), demonstrating scalable, low-carbon resilience for Ukraine's heat-supply sector while providing a healthier environment for the enterprise's **1.000+ employees**.

SVAROG + Ecoclub

Hardfacts

Our goal: Energy self-sufficiency

We will install a solar-plus-battery system to keep 24/7 wastewater treatment running during grid interruptions and build a climate-friendly infrastructure.

Solar Modules, DC	32 kW
inverter, AC	50 kW
Battery storage	53 kWh

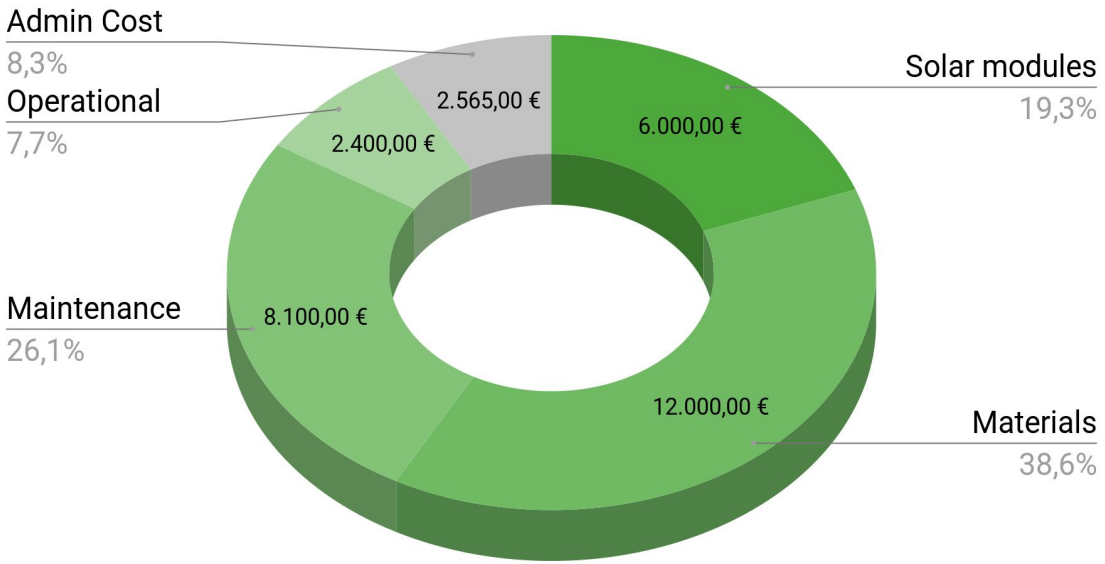
€ 6000	saved annually
~ 24 tons	CO2 Reduction Annually
27 tons	of CO2 emissions avoided

35496 kWh total power plant generation

SVAROG + Ecoclub

Project cost

To start this project we need EUR 31.000



Ecoclub

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

SVAROG + Ecoclub

Contact information:

Ecoclub Office:
41 Stepana Bandery St., office 95
Rivne 33014
Ukraine

Phone:
Phone: +38 (067) 363-62-26

E-Mail:
office@ecoclubrivne.org

Web:
https://ecoclubrivne.org