



Global Compact
Network Ukraine

Petrovo-Solonykha SPP

Design and construction of a Solar Power Plant: 53.98 MW
with BESS 43.25 MW/86.5 MWh

Forecasted annual production of «green» electricity: 59 058 MWh

General information

Project "Petrovo-Solonykha"

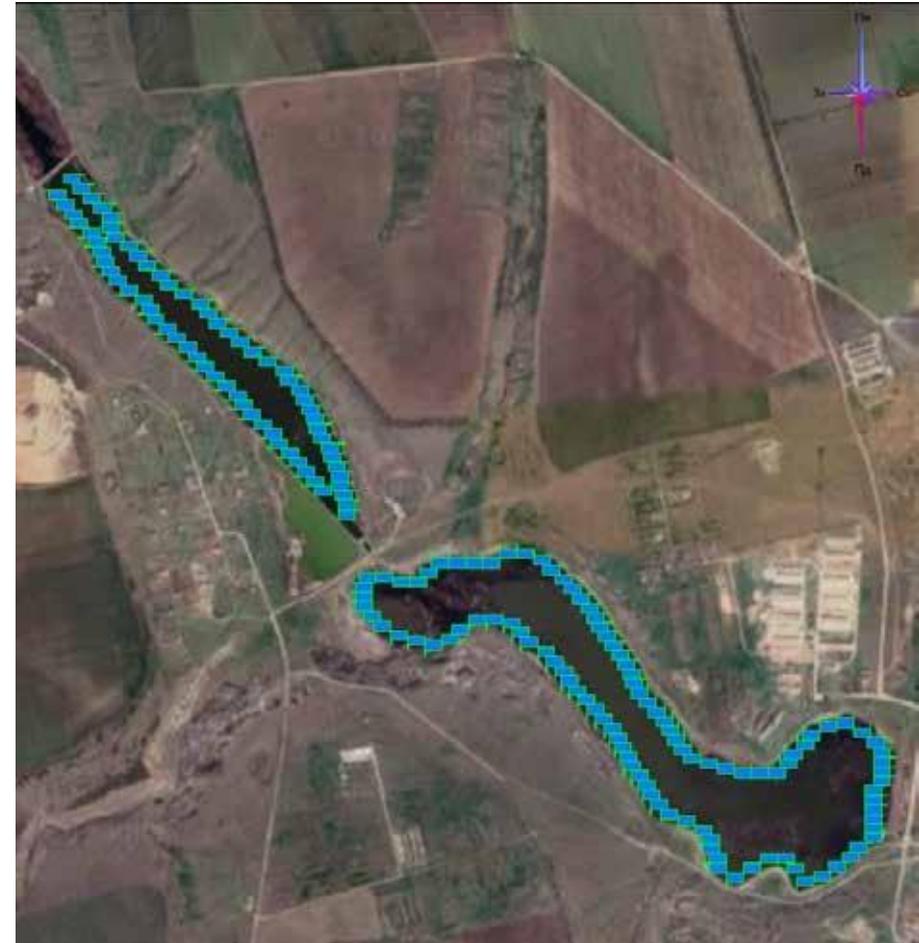
53.98 MW
Installed Power

€ 38 865 600
(with BESS 1 MW/2 MWh)
Total Project Cost

59 058 MWh
Annual Electricity Produced (forecast)

Main project's indicators:

NPV, in 1000*EUR	87 540
IRR, %	17,34%
PP, years	6,1
DPP, years	9,2



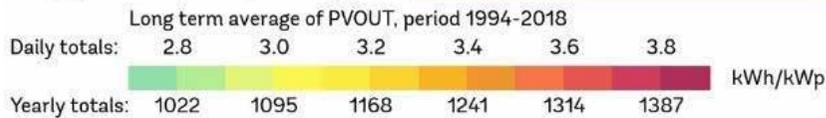
Global irradiation and solar electricity potential of the location



Location: Petrovo-Solonykha,
Mykolayivs'ka oblast'

GPS: 47.069415, 31.832229

Land Plot: 100 Ha



Petrovo-Solonykha

Technical parameters of the project



Area: 100 Ha



PV-modules: 83 040 pcs.
Installed power: 53 976 kWp



PV-inverters: 173 pcs.
Inverter power: 43 250 kW



Annual electricity produced (forecast):
59 058 MWh



€720k per MW
(with BESS 1MW/2MWh)





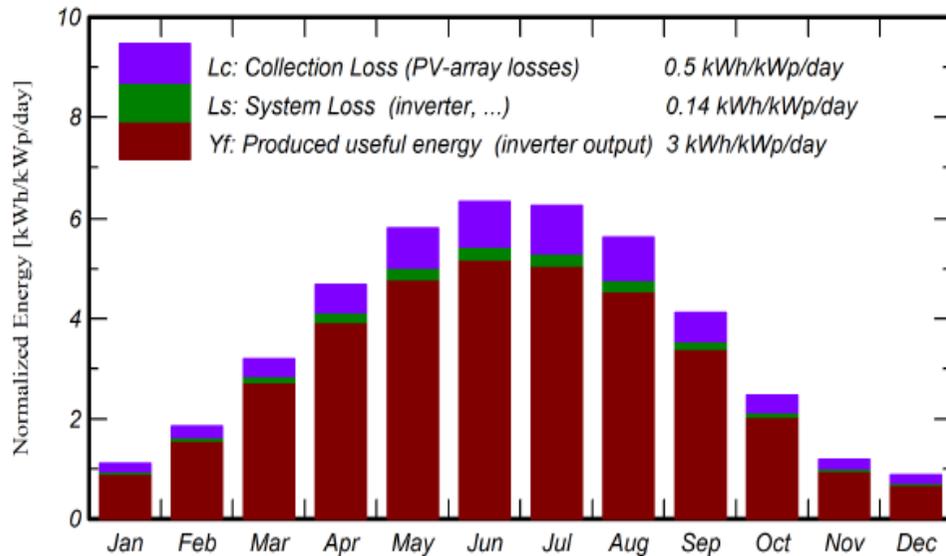
Production Indicators



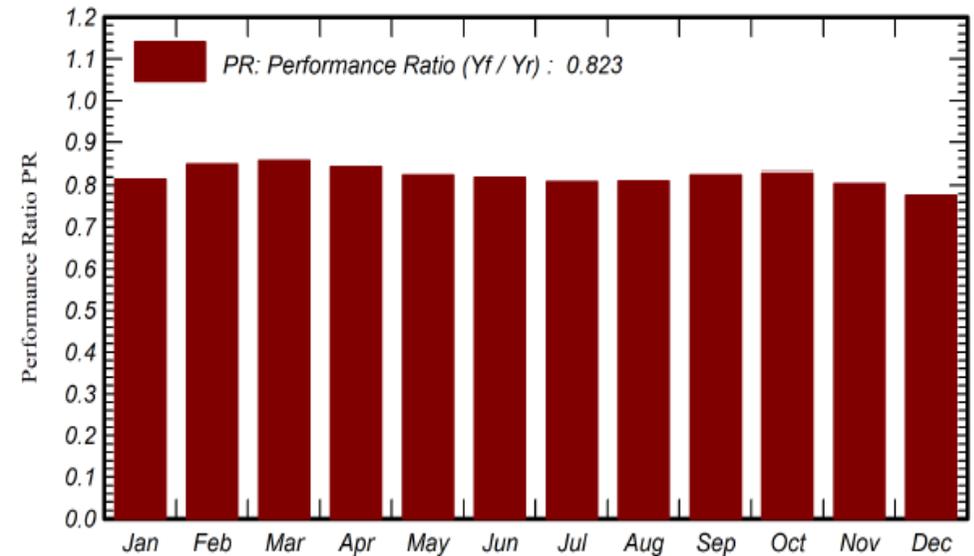
Balances and main results

	GlobHor kWh/m ²	DiffHor kWh/m ²	T_Amb °C	GlobInc kWh/m ²	GlobEff kWh/m ²	EArray MWh	E_Grid MWh	PR ratio
January	34.8	21.15	-1.59	34.5	30.3	1595	1519	0.815
February	52.2	29.15	-0.63	51.9	47.0	2475	2371	0.846
March	99.8	47.21	4.41	99.1	92.5	4783	4577	0.856
April	141.7	60.79	10.74	140.7	133.2	6691	6386	0.841
May	181.6	81.19	17.35	180.4	171.7	8423	8033	0.825
June	191.7	88.56	21.21	190.4	181.7	8823	8412	0.819
July	195.8	83.75	24.08	194.3	185.4	8902	8488	0.809
August	175.5	70.68	23.89	174.7	165.9	8005	7640	0.810
September	124.4	52.54	17.66	123.7	116.0	5754	5507	0.825
October	77.3	37.07	10.95	76.8	70.8	3588	3434	0.829
November	36.0	21.34	5.65	35.7	31.6	1629	1550	0.803
December	27.4	15.46	1.19	27.2	23.3	1210	1141	0.776
Year	1338.2	608.90	11.31	1329.4	1249.4	61878	59058	0.823

Normalized productions (per installed kWp)



Performance Ratio PR



Technologies and Innovations

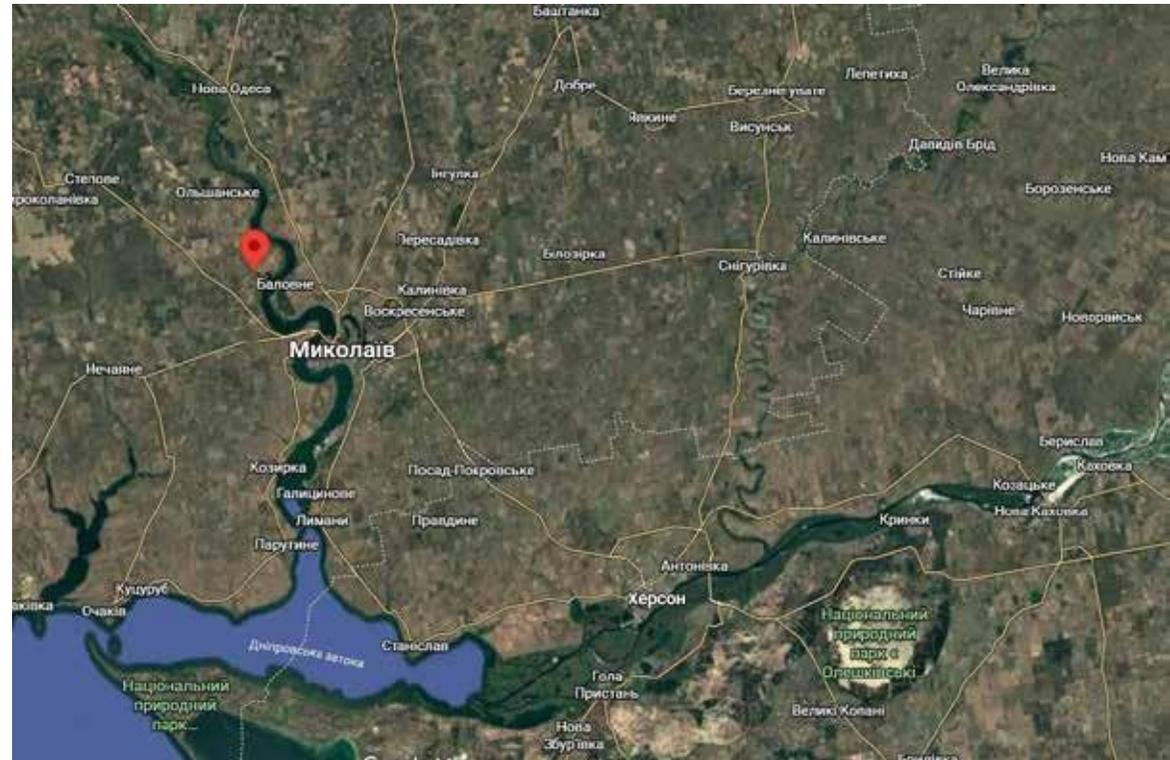
Advantages of Shoreline Pile-Mounted PV vs Floating PV

- Lower CAPEX: no pontoons or anchoring – only €0.15/W vs €0.70–0.80/W for typical FPV.
- Easy installation & maintenance: standard onshore equipment, full access year-round.
- Higher stability: resistant to waves, wind, and water-level changes.
- Better electrical reliability: shorter DC lines, no humidity issues.
- Eco-benefit: partial shading improves fish habitat up to 80t of marketable fish per 100 Ha (Research: Kherson State Agrarian University).
- Post-war recovery impact: converts unused water areas into productive renewable assets.

Efficient. Stable. Low-cost. Environmentally beneficial.

Sustainability & Regional Impact

- Located in post-war region - creates jobs, restores ecosystems;
- Supports Ukraine's Green Transition (27% RES by 2030);
- Promotes EU-aligned sustainable reconstruction;
- Symbol of resilience and innovation.



Impact & Expected Outcomes*



Annual electricity consumption of 50 621 peoples (~4% population of the Mykolaiv region)



Contribution to reducing CO₂ harmful emissions, preventing over~ 77 425 ton/year



Creation of jobs for about 30-150 people (after and during project implementation)



Positive socio-economic benefits for the community



Environmental compliance with EU goals and ESG strategy



Increasing the existing total installed capacity of industrial solar generation stations in the Mykolaiv region (about 800 MW) by 7%.

** Excluding the economic impact of co-located/ancillary fish business.
The co-located/ancillary fish business and food security issues need to be investigated.*

Helios Strategia Group

Our goal is to unite the modern society by the idea of clean energy for the creating new possibilities together.

Our business model is shaped by a focus on sustainable development, financial stability and profitability to ensure consistent economic value.



Visit Our Website



Company Geography

150+ implemented projects
overworld

120+ implemented projects in
Ukraine

116 GW total capacity
of projects with fragmented
participation of companies

805 MW total capacity of
projects

14+ years on the market



The Quality Of Our Work

Our key achievement is a successful team that constantly drives the company forward with its innovations and hard work.



Visit Our Website

Secured Ukraine – predictable future of the EU! Deploy RES energy infrastructure in Ukraine!



 Visit Our Website

We will be happy to provide you with additional information and answer any questions you may have:

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