

# GEF SGP Ukraine

## Solar panels popularization and installation in small towns of Zhytomyr region

(UKR/SGP/OP5/Y4/STAR/CC/15/58)



Country	Ukraine
Grantee	NGO "Open world"
Focal Area	Climate Change Mitigation
Project Type	Full
Operational Phase	OP5—Y4
Duration	4/2015 - 2/2016
Grant Amount	49,700 US\$
Project Types	Demonstration, Information Dissemination, Networking and Policy Dialogue
Partners	Malyn district Council, Malyn district State administration, NGOs
Co-financing	NGO "Eco-development", NGO "Ecological cooperation", NGO "Open world"
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Community Action



Global Impact



The GEF  
Small Grants  
Programme



### Project Description

The project aims to reduce CO<sub>2</sub> emissions, mitigate global warming and decrease environment pollution through effective use of solar energy in Malyn district of Zhytomyr region. Within the demonstration project, 4 JTI solar modules were installed in the laboratory of Malyn Territorial Medical Facility. The system produces up to 7890 kWh of energy for hot water supply and generate up to 150 liters per day. The autonomous system of solar panels facilitates reduction of traditional power supply sources and decrease of electricity bills. This is resulted in local budget savings with possible subsequent allocation for other social needs. The project demonstrates potential of solar energy and becomes an example of self-sufficient system of electricity supply for the building.

### Project achievements and expected results

- Four JTI solar modules have been installed in Malyn facility to produce up to 7890 kWh of energy for hot water supply.
- 12 tonnes of CO<sub>2</sub> will be avoided due to the energy efficient technologies.
- It is expected to decrease electricity bills through the use of alternative energy sources and invest the saved local budget in other social projects.
- Local residents became aware of project's results and environmental issues through distribution of information materials, conduct of training events and exchange of experience.

### Follow up

The project demonstrates the use of solar energy to reduce CO<sub>2</sub> emissions and benefit the environment. Through participation in the project the local community builds capacity in terms of sustainable development and improve their skills in establishment of energy-efficient households.



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