



**ENERGY EFFICIENCY**

# Ukraine

## Dnipropetrovsk region



### Summary:

**Municipal Enterprise "Centre for Social Services" of Apostolove City Council** (inpatient department) is an institution that provides social services and provides favourable conditions for the stay of elderly people and people with disabilities who find themselves in difficult life circumstances.

The proposed project is to improve the energy efficiency of the institution by installing solar panels.



**Covered population:** over **14 000** people



### Aim:

- Increasing of thermal insulation capacity of walls and heat loss reduction;
- creating comfortable conditions for children;
- saving energy resources.



### List of necessary equipment:

- Metal-plastic window blocks
- Door blocks
- Insulated metal doors
- Facade system "Albatross"
- Plate insulation
- Thermofused hexasteel
- Roofing material
- Steel pipes
- Steel radiators



### Mechanisms of cooperation:

- assistance from the partner regions
- technical humanitarian assistance from an international organizations
- targeted grant programme



### Beneficiary:

Municipal Enterprise "Centre for Social Services" of Apostolove City Council"



### Estimated cost:

**€848.9 thousd.**

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**ENERGY EFFICIENCY**

# Ukraine

## Dnipropetrovsk region



### Summary:

**Communal Non-Profit Enterprise "City Emergency Hospital" Kamianske City Council** is a healthcare institution that provides secondary and specialised medical care to residents of the Kamianske district, as well as military personnel, IDPs and evacuees. The project is to improve the energy efficiency of the building using renewable energy sources.



**Covered population:** over **5500** patients per year



### Aim:

- increasing the thermal insulation capacity of walls and reducing heat loss;
- saving energy resources.



### List of necessary equipment:

- block-modular boiler house on alternative fuel with a capacity of 1200 kW;;



### Mechanisms of cooperation:

- assistance from the partner regions
- technical humanitarian assistance from an international organizations
- targeted grant programme



### Beneficiary:

Communal Non-Profit Enterprise "City Emergency Hospital" Kamianske City Council"

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**Estimated cost:** **€251.4 thousand**



ENERGY EFFICIENCY

# Ukraine

## Dnipropetrovsk region



### Summary:

**Municipal institution "Territorial Center of Social Services" of Kryvyi Rih City Council** – is an institution that provides social services and creates favorable conditions for the stay of elderly citizens and persons with disabilities who are in difficult life circumstances. As a result of the Russian Federation's military aggression, the communal institution also provides shelter to citizens from the temporarily occupied territories of Donetsk, Luhansk and Kherson regions. The project of energy-efficient power supply of the institution is proposed.



**Covered population:** more than **1500** people per year



### Aim:

- Creation of a decentralized energy supply system for the institution's building using renewable sources - a 100 kW solar grid station.



### List of necessary equipment:

- photo modules of the CanadianSolar series;
- inverter of the ACRUX TM ALTEK series ;
- generation limitation device;
- emergency protection of the ACRUX 30K TM system;
- additional equipment.



### Mechanisms of cooperation:

- assistance from the partner regions
- technical humanitarian assistance from an international organizations
- targeted grant programme.



### Beneficiary:

Municipal institution "Territorial Center of Social Services (provision of social services) in Dovhyntseve district" of Kryvyi Rih City Council"

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**Estimated cost: €42.0 thousand**



**ENERGY EFFICIENCY**

# Ukraine

## Dnipropetrovsk region



### Summary:

**Municipal institution "Territorial Center of Social Services" of Kryvyi Rih City Council** – is an institution that provides social services and creates favorable conditions for the stay of elderly citizens and persons with disabilities who are in difficult life circumstances. As a result of the Russian Federation's military aggression, the communal institution also provides shelter to citizens from the temporarily occupied territories of Donetsk, Luhansk and Kherson regions. The project of energy-efficient power supply of the institution is proposed.



**Covered population:** more than **1500** people per year



### Aim:

- Creation of a decentralized energy supply system for the institution's building using renewable energy sources - a heat pump with a capacity of 90 kW.



### List of necessary equipment:

- heat pump Octopus IS 120 (3 units);
- additional equipment;
- installation of IS 120 using freon.



### Mechanisms of cooperation:

- assistance from the partner regions
- technical humanitarian assistance from an international organizations
- targeted grant programme.



### Beneficiary:

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Municipal institution "Territorial Center of Social Services (provision of social services) in Dovhyntseve district" of Kryvyi Rih City Council"



**Estimated cost: €53.0 thousand**



**ENERGY EFFICIENCY**

# Ukraine

## Dnipropetrovsk region



### Summary:

ME "Pereshchepyne - Voda 365" of the Pereshchepyne City Council provides water purification and supply, as well as sewerage for the population of Pereshchepyne TC and IDPs. Proposed project: decentralisation of the company's energy supply.



**Covered population:** over **10 000** people



### Aim:

- providing renewable energy for water purification processes;
- creation of eco-friendly and energy-efficient water supply systems;
- saving energy resources.



### List of necessary equipment:

- SPP with a capacity of 30 kW



### Mechanisms of cooperation:

- assistance from the partner regions
- technical humanitarian assistance from an international organizations
- targeted grant programme



### Beneficiary:

ME "Pereshchepyne - Voda 365" of the Pereshchepyne City Council



**Estimated cost:** **€25.3 thousand**

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**ENERGY EFFICIENCY**

# Ukraine

## Dnipropetrovsk region



### Summary:

**Gymnasium "Rodyna" of the Pereshchepyno City Council** is an institution of primary and general secondary education for children.

The project proposes to improve the energy efficiency of the institution's building by insulating the facade and installing a 50 kW solar power plant.



**Covered population:** over **200** children per year



### Aim:

- increase the thermal insulation capacity of walls and reduce heat loss;
- creating comfortable conditions for children;
- saving energy resources.



### List of necessary equipment:

- mineral wool basalt boards 150 mm thick for insulation of 1220 m<sup>2</sup> of the facade;
- solar power plant with a capacity of 50 kW.



### Mechanisms of cooperation:

- assistance from the partner regions
- technical humanitarian assistance from an international organizations
- targeted grant programme



### Beneficiary

Gymnasium "Rodyna" of the Pereshchepyno City Council

62



**Estimated cost:** **€326.9 thousand**

Own funds: €25.1 thousand.



ENERGY EFFICIENCY

# Ukraine

## Dnipropetrovsk region



### Summary:

“Kernosivka Village House of Culture” of the Pereshchepyno City Council” is a coordination center for out-of-school education that ensures the comprehensive development of students' abilities, creates the necessary conditions for health improvement, recreation and leisure for children and youth.

The project proposes to improve the energy efficiency of the building using renewable energy sources.



**Covered population:** over **600** people



### Aim:

- increase the thermal insulation capacity of walls and reduce heat loss;
- creating comfortable conditions for children;
- saving energy resources.



### List of necessary equipment:

- A 50 kW solar power plant on a land plot next to the building;
- mineral wool basalt boards 150 mm thick for insulation - 1100 m<sup>2</sup> of the facade and 870 m<sup>2</sup> of the roof;
- mineral wool basalt boards 150 mm thick for insulation - 1100 m<sup>2</sup> of the facade and 870 m<sup>2</sup> of the roof.



### Mechanisms of cooperation:

- assistance from the partner regions
- technical humanitarian assistance from an international organizations
- targeted grant programme



### Beneficiary:

“Kernosivka Village House of Culture” of the Pereshchepyno City Council”

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### Estimated cost:

**€502.8 thousand**

Own funds: €25.1 thousand.



ENERGY EFFICIENCY

# Ukraine

## Dnipropetrovsk region



### Summary:

Municipal enterprise «Tsarychanka Central District Hospital» » of Tsarychanka Village Council» - is a healthcare facility that provides secondary and specialised medical care to residents of the Tsarychansky district, as well as military personnel and IDPs. The project proposes to improve the energy efficiency of the building using renewable energy sources.



**Covered population:** **14 000** patients per year



### Aim:

- increasing the thermal insulation capacity of the walls and reducing heat loss;
- saving energy resources.



### List of necessary materials:

- geothermal heat pumps with a total capacity of 95 kW - 2 units;
- solar power plant modules - 100 flat panels.



### Mechanisms of cooperation:

- assistance from the partner regions
- technical humanitarian assistance from an international organizations
- targeted grant programme.



### Beneficiary

Municipal enterprise «Tsarychanka Central District Hospital» » of Tsarychanka Village Council»



### Estimated cost:

**€587.3 thousand**

Own funds : €31 thous.

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ENERGY EFFICIENCY

# Ukraine

## Dnipropetrovsk region



### Summary:

**Municipal non-profit enterprise «Tsarychanka Primary Health Care Centre» of Tsarychanka Village Council** - is a healthcare facility that provides secondary and specialised medical care to residents of the Tsarychansky district, as well as military personnel and IDPs. The project proposes to improve the energy efficiency of the building using renewable energy sources.



**Covered population:** More than **7 000** patients per year



### Aim:

- increasing the thermal insulation capacity of the walls and reducing heat loss;
- saving energy resources.



### List of necessary materials:

- geothermal heat pumps with a capacity of 17.5 kW;
- solar power plant modules - 180 flat panels.



### Mechanisms of cooperation:

- assistance from the partner regions
- technical humanitarian assistance from an international organizations
- targeted grant programme.



### Beneficiary

Municipal non-profit enterprise «Tsarychanka Primary Health Care Centre» of Tsarychanka Village Council»



### Estimated cost:

Own funds : €14 thous.

**€273 thousand**

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