

CHERKASY CITY TERRITORIAL COMMUNITY





The total area of the city is 7759 hectares.

- **Cherkasy is a regional center with a population of 262 903 residents.** The city has also hosted about **30 000 internally displaced persons.**
- Located on the right bank of the Dnipro River, the city has **a unique 16 km long coastal area.**

- **The city's economy is industrial in nature.**
- **More than 100 large industrial enterprises** and about 4000 small businesses are concentrated in Cherkasy.
- **Modern Cherkasy is a large logistics center: the city is located in the center of Ukraine, at the intersection of the main transport routes of the country:** water, road, rail and air.



Social housing for internally displaced persons



The budget is 3 100 000 EUR

Project goal:

Providing affordable housing for internally displaced persons (IDPs) through reconstruction of an existing multi-apartment residential building and construction of prefabricated frame houses taking into account modern standards of energy efficiency, accessibility and rapid implementation.

The project aims to:

- Renovation and efficient use of existing housing stock
- Increasing community resilience to the long-term effects of humanitarian crises
- Improving living conditions and integration of IDPs into the community



The key objective of the project is:

Providing permanent or temporary housing for internally displaced persons and persons in need of social protection.

Additional tasks:

Renovation and modernization of residential infrastructure

Strengthening community capacity for the integration of IDPs



The importance of the project for the community:



**Creating safe and decent living conditions
for internally displaced families**



Restoration of the urban environment



Social integration



Support of the local economy



**Investment in long-term positive impact
for the entire community**

Housing for internally displaced persons

The budget is 1 500 000 EUR

Project goal:

Provide housing for internally displaced persons who, due to their advanced age, health or social status, are unable to purchase or rent housing.

Project objectives:

- major renovation of interior premises - 2,110.25 m²
- insulation of facades and basement
- replacement of external and internal electrical networks, water supply and drainage systems, heat supply
- landscaping of the surrounding area - 10,925.0 m²

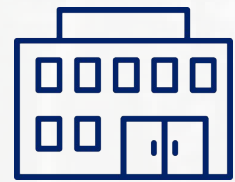
The target audience:

140 people - residents of regions of Ukraine where hostilities are taking place or whose territories are temporarily occupied, and who have lost their homes; **elderly people; families with children; people with disabilities**



- **2-storey building of municipal ownership.**
- **Possibility of co-financing the project from the city budget.**
- **Project implementation period - 1 year.**

Advantages of the project:



Existing municipal property building:

- Available utilities and roads.



DEVELOPED INFRASTRUCTURE:

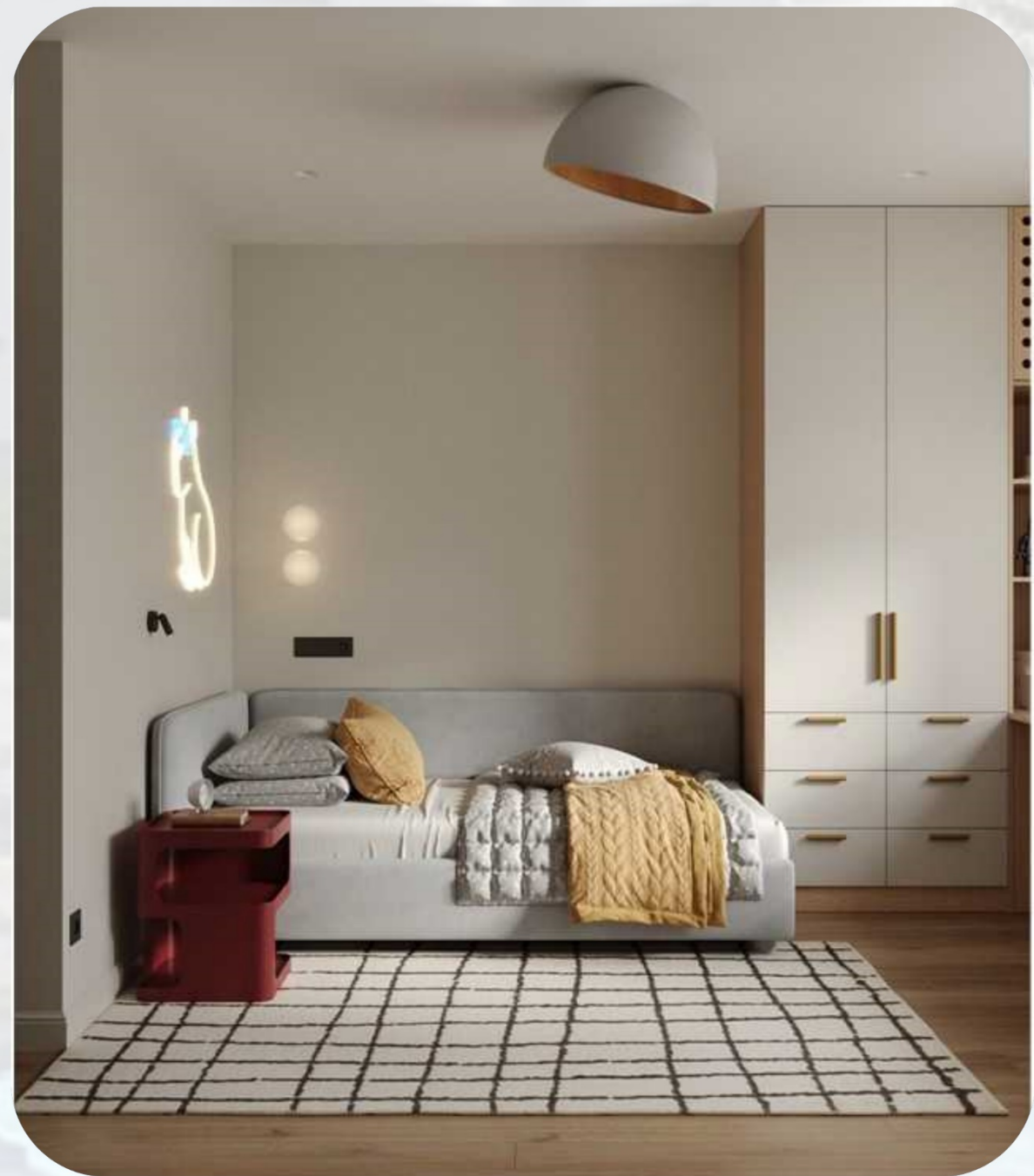
- Medical facilities
- Educational institutions
- Commercial establishments
- Public transport

Short implementation period - 1 year



Expected result:

- 30 residential blocks (hallway, one/two living rooms, kitchen, bathroom)
- room for social work with children
- sports ground
- playground
- dog walking area
- parking spaces



Visualization



MUNICIPAL ENTERPRISE «CHERKASYVODOKANAL»

Construction of a 1 MW solar power plant (SPP) at the Dnipro water treatment plant



Construction of a solar power plant (SPP)



The project includes the following works:

-  purchase of equipment
-  installation of equipment
-  commissioning works of the solar power plant
-  electrical capacity of the solar power plant 1 MW



Social significance of the project:

-  provision of 24-hour water supply and drainage for residents of Cherkasy, in conditions of war and blackouts
-  reduction of risks of environmental pollution
-  269 000 city residents will receive high-quality centralized water supply services



The total cost of the project is
≈ 866 929 EUR

Socially oriented project



Construction of a solar power plant (SPP)



The implementation of the project will enable:

01 Environmental focus of the project:

To reduce the effects of climate change, to save 3 502 trees and 37 053 liters of fuel annually

02 Environmental focus of the project:

To reduce the level of carbon emissions, to reduce CO2 emissions - 27 tons/year, SOx NOx - 257 kg/year

03 Social focus of the project:

To meet all 100% of electricity needs, to supply excess electricity to the power grid



Reconstruction of a solid waste landfill and construction of a waste processing complex



The budget is 161 000 000 EUR

Project goal:

- solving the problem of household waste accumulation at the landfill;
- constructing of a modern waste processing complex in compliance with EU standards;
- meeting the needs of the territorial communities of Cherkasy region;
- producing thermal and electrical energy;
- creation of new workplaces.

Stages of the project:

- **Stage 1:** Construction of access roads with hard surface (asphalt, concrete) to the solid waste landfill.
- **Stage 2:** Construction of a waste processing complex using composting technology.
- **Stage 3:** Construction of a heat and electricity production complex using combustion technology.
- **Stage 4:** Construction of a complex for sorting newly produced solid household waste.



Description of the implementation of the stage 1:

The existing dirt and gravel road from the landfill (A) to the nearest operational road (B) of regional importance will be paved with asphalt, which will enable the transportation of equipment and materials, as well as sanitary and preventive work.



Description of the implementation of the stage 2:

According to the project, the recycling and composting plant will enable 50% of waste to be recycled and RDF (refuse-derived fuel) to be produced for the Energy from Waste (EfW) complex. Until the Energy from Waste complex (EfW) is built, RDF will be stored at the landfill.



Description of the implementation of the stage 3:

The Energy from Waste (EfW) complex will enable the incineration of 30 000 tons of waste per year. Together with the recycling and composting plant, it will also enable the treatment of landfilled waste using the existing solid waste degassing complex.

Description of the implementation of the stage 4:

The complex sorts all newly produced solid waste after separating the organic component. 90% of the incoming raw materials are valuable products that are subsequently sold (subject to reuse).



The implementation of the project will enable:

- to process over 100 000 tonnes of waste annually
- to recultivate the landfill site from buried waste
- to meet the needs of over 600 000 people
- to produce thermal and electrical energy
- stop disposing of waste at the landfill site



More reconstruction projects



Major renovation of the sports and rehabilitation complex building with a swimming pool of the Municipal Enterprise «Municipal Sports Club «Dnipro»
1 500 000 EUR



Reconstruction of the centralized heating system in the city of Cherkasy with the construction of a multi-fuel heat and power plant and a high-pressure heating network
120 000 000 EUR



Construction of a 1 MW wind power plant (WPP) at the Dnipro water treatment plant
2 000 000 EUR



Purchase of a 1 MW modular solar power plant (SPP) at the Vilshanka reserve water intake facility
932 398 EUR



Purchase of a 300 kW modular solar power plant (SPP) at a pumping station of the III stage
562 418 EUR



Reconstruction of the drinking water disinfection system using chlorine at the Dnipro water treatment plant
579 125 EUR



THANK YOU FOR YOUR ATTENTION! CHERKASY CITY COUNCIL

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Reconstruction
projects of
Cherkasy