

# Cherkasy presents



# The Project of the sports and rehabilitation complex «DNIPRO» with the swimming pool

The sports and rehabilitation complex «DNIPRO» with the swimming pool will provide the opportunity:



complex rehabilitation for veterans and their family member



adaptational kinds of sport for people with disabilities



involvement of children from the region into the sport activities



water sports for vulnerable population groups

The quantity of visitors:



**veterans**, who will be able to go in for adaptational kinds of sport on the basis of the sports complex «Dnipro» – over **1 300 visitors**



pupils of local sport schools and «invasport» sport school having 3–4-time trainings per week – **28 460 visitors** per month in total



city dwellers, who visited the swimming pool individually – **4 230 visitors** per months in total

The total cost of the project is  
≈ 1 500 000,00 EUR



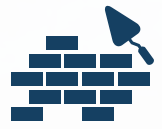
## Works executed:



preparation works



dismantling works



reinforcement of brick piers



insulation and roofing works



## Scope of works for the following execution:



repairing works of the swimming pool bowl



warm floors and bypasses arrangement



heat insulation of the roof, ceiling arrangement



bathrooms, showers, vestibules arrangement



ramp arrangement



ventilation system installation



# Restoration project of the historical building (part) of the Cherkasy Children's Music School No. 1 named after M.V. Lysenko

## The project includes the following works:



restoration of the facade



restoration of destroyed parts of the building



repair of the fire safety system and the surrounding area



modern equipment, restoration of the territory

## Currently, the number of visitors of the institution:



**660** students



**110** employees



The number of visitors is **450 people** per day

**The total cost of the project is  
≈ 370 000 EUR**





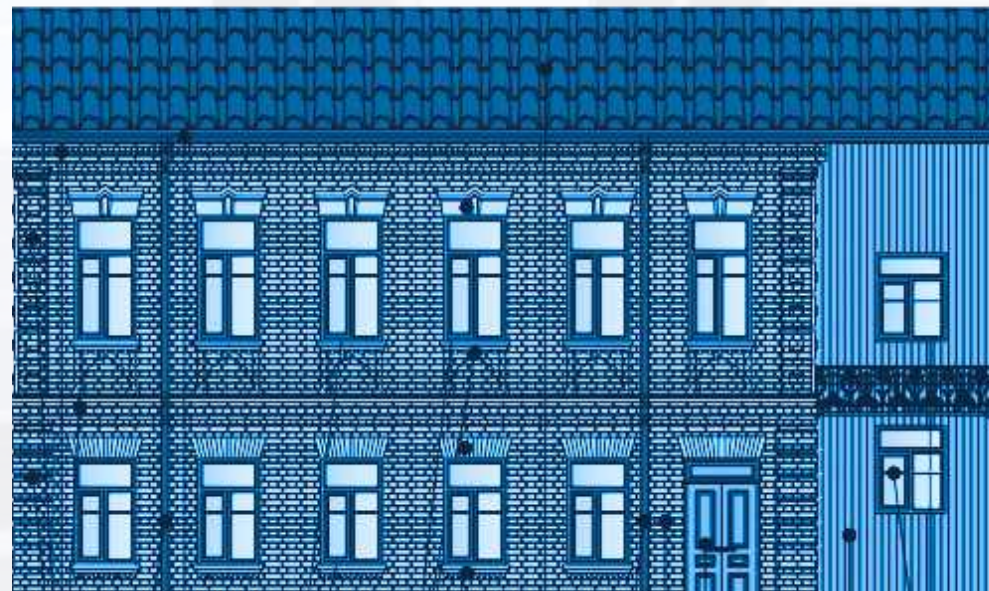
The building of the music school is included in the State Register of Immovable Monuments of Ukraine as an architectural monument of local significance



After the restoration, **6 additional** classrooms, a new choir hall with a capacity of **70 people** for concert choirs and symphony orchestra rehearsals will appear in the school



In order to expand the range of educational services in the future, the school will have the opportunity to expand other artistic specializations



# Overhaul of buildings of Municipal non-profit enterprise «Cherkasy City Maternity Hospital «Mother and Child Center»»

The institution provides obstetric and gynecological care 24/7

Contingent of the establishment per year:



Maternity patients: 1 225 individuals



Newborns: 1 227 individuals



Women: 82 596 individuals, of whom 710 have undergone surgery



The total cost of the project is  
≈ 1 780 400 EUR





## The project includes the following works:



facade renovation of the buildings



replacement of old wooden blocks with new ones



arrangement of buildings entrances to ensure accessibility for people with limited mobility



thermal modernization of building








connection to independent power sources





## The insulation and renovation of the establishment's buildings facades will ensure:

-  temperature conditions inside the premises
-  an optimized temperature regulation within the premises
-  preservation of external enclosing structures and facade elements from the effects of aggressive environmental conditions
-  increasing the degree of inclusiveness of the building
-  increasing the number of births by 500 cases





# Overhaul of the building of Municipal non-profit enterprise «First Cherkasy City Hospital»



A multidisciplinary medical institution with bed fund of 355 beds.

15 departments with the only burn department for adults and children in the region.

**Currently, the number of visitors of the institution:**



**9 773** patients treated in inpatient care per year



**3 463** surgical interventions were performed



Provision of specialized care **24/7**

**The total cost of the project is**

**≈ 1 207 500 EUR**



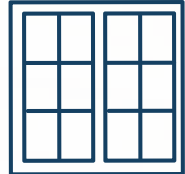
## The project includes the following works:



roof repair



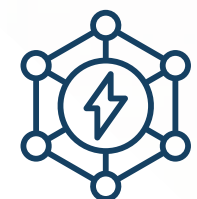
insulation of facades



replacement of external windows and doors



interior finishing of the passage and stairwells



replacement of electrical networks and equipment






The oldest three-story building, was put into operation **in 1963**

## Completion of construction works at the facility will ensure:

 creation of necessary and high-quality conditions

 providing medical care to patients with various diseases by creating a modern medical complex using modern materials and energy-saving technologies, inclusiveness



# Overhaul of Municipal non-profit enterprise «Third Cherkasy City Emergency Hospital» (rehabilitation department)

The number of people who received service in  
the department:



inpatient rehabilitation – **1 421 people**



outpatient rehabilitation – **2 235 people**



Specialized assistance is available **24/7**

The total cost of the project is  
≈ **1 304 500 EUR**



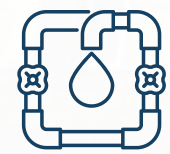
# The project includes the following works:



reconstruction of wards and halls for rehabilitation



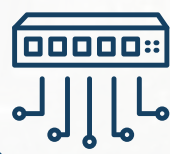
replacement of external windows and doors



replacement of internal water supply and drainage networks



replacement of floor coverings



replacement of electrical networks and equipment



internal construction and installation works





## Carrying out repair work will ensure:



creation of the largest rehabilitation department in Cherkasy with an area of 2200 sq.m.



arrangement of wards for 60 beds with the stay of 2 people in a ward and a sanitary room



will provide the possibility of carrying out individual rehabilitation procedures



# Overhaul of Municipal non-profit enterprise “Cherkasy City Infectious Diseases Hospital” (hospital department for rehabilitation of war veterans)

Number of people who received the service:



Inpatient treatment - **873 people**



Outpatient treatment - **3 600 people**



Provision of specialized care 24/7




The total cost of the project is  
≈ 1 980 000 EUR






## The project includes the following works:

-  Reconstruction of wards and halls for rehabilitation
-  Replacement of windows and doors
-  Internal construction and installation works
-  Replacement of power grids and electrical equipment
-  Replacement of internal water supply and sewage networks
-  Replacement of the floor covering

## Repair works will ensure:

-  renovation of a department with an area of 1,200 sq.m. with the arrangement of wards for 30 beds with the stay of 2 people in the ward







## The assistance model includes:

-  Provision of planned highly specialized assistance for the rehabilitation of war veterans on a 24-hour basis
-  Implementation of new rehabilitation methods in practice, analysis of their effectiveness, implementation of best practices of the best rehabilitation centers
-  Exchange of professional experience





# Overhaul of a building for accommodating internally displaced (evacuated) persons and a center for work with internally displaced (evacuated) children

## The project includes the following work:

-  complete replacement of the roof covering
-  selective remodelling of specific premises
-  full replacement of windows and door slits
-  reinstallation of ceiling equipment and new wall treatment
-  renovation of all porches, including adjustments for accessibility needs of people with limited mobility
-  insulation of facades

## The project is aimed at:

-  internally displaced/evacuated persons who, due to unemployment, disability, caring for young children, or advanced age, are unable to rent housing on their own
-  the potential capacity for residents and staff simultaneously is 145 people

The total cost of the project is  
**≈ 2 150 000 EUR**





## Expected results:



30 individual housing units created for the temporary accommodation of internally displaced (evacuated) persons, including an entryway, hallway, room, kitchen, and combined bathroom.



two educational units set up for the centre for activities with internally displaced/evacuated children



# Project for the construction of a waste processing plant

## The project includes the following work:



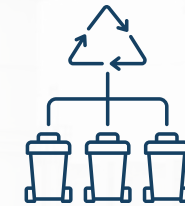
preparation of project documentation



obtaining approvals and permits



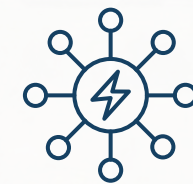
territory preparation



construction of the sorting line



main facilities and biogas plant



connection to heating and energy networks



The total cost of the project is  
≈ 25 000 000 EUR



## Project Objectives:



construction of a modern household waste deep processing plant (up to 95%)



providing for the needs of the territorial communities of the Cherkasy district (up to 165 000 tons of waste per year)



compliance with EU environmental standards



creation of new jobs



production of heat and electrical energy

## Construction of the plant will allow:



process almost all household waste from the territorial communities of the Cherkasy district, with a population of about 600 000 people



landfill only 5% of the total waste, significantly reducing the burden on the solid waste landfill



estimated number of new workplaces created: 50-100



produce approximately 24 000 mW/hours of electricity per year



generate about 8 million Nm<sup>3</sup> of biogas



produce around 8,000 tons of fuel through polymer processing



# Solar stations on the buildings of the municipal institutions



4 administrative buildings of the executive bodies of the Council



Solar power stations with a capacity of 70 kW each



## Project Objectives:



### Energy diversification:

expansion of the types of used energy resources



### Cost reduction:

decreasing the city budget expenditures for traditional energy sources



### Reduction of CO2 emissions:

achieved through decreased usage of energy from fossil sources



### Energy independence:

improving energy independence indicators during the war and blackouts









The total cost of the project is  
≈ 280 000 EUR

# Solar stations on the buildings of the municipal institutions



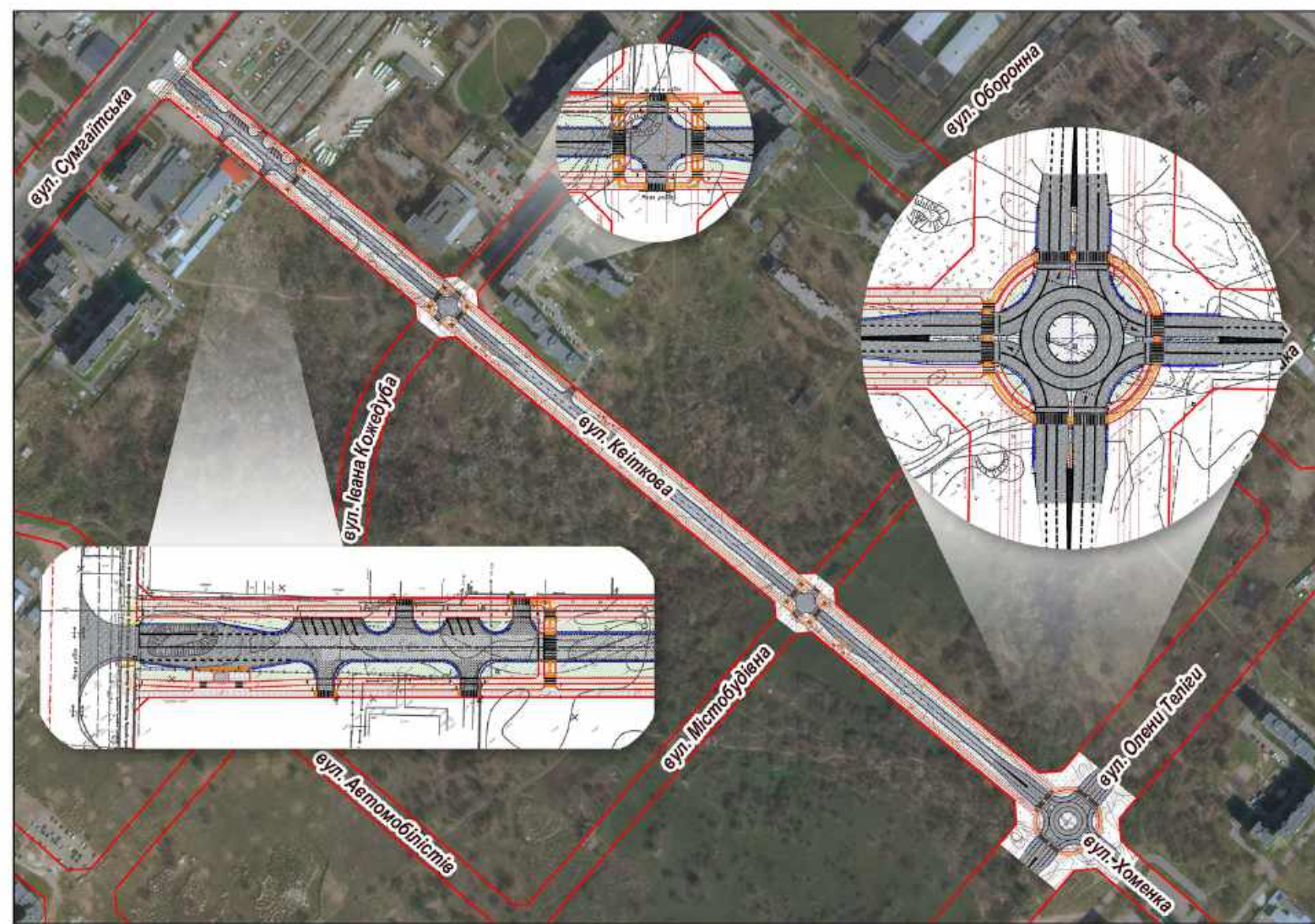
## Expected Results:

-  reduction in energy intensity indicators
-  increase in energy independence
-  decrease in expenses for heating supply
-  increase in the share of renewable energy sources in the municipal sector
-  multiplication of results in other sectors of the municipal sector
-  promotion of the economic, environmental and social benefits of effectively usage of alternative energy

**Savings: approximately 318 000 kWh per year**



# The project "Construction of Kvitkova Street from Sumgait'ska st. to Khomenko st., Cherkasy"



arrangement of the road



arrangement of velo tracks



street lighting



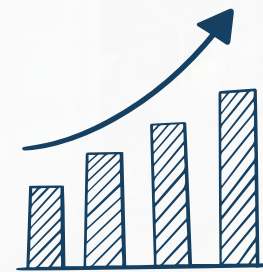
landscaping

**The total cost of the project is  
≈ 4 070 000 EUR**





# Implementation of the project will provide the city with:



conditions for the development of the microdistrict



expansion of bicycle infrastructure

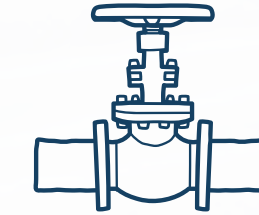


development of automobile infrastructure



connection of microdistricts





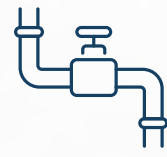
The project of reconstruction of the section  
of the main sewage collector on Khimikiv  
Avenue in the city of Cherkasy

**The total cost of the project is  
≈ 1 064 275 EUR**

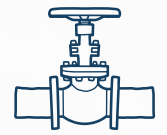
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## The projects include the following works:



rehabilitation of reinforced concrete pipelines Ø 800, which have exhausted their operational life, with pipelines made of new corrosion-resistant materials



modern equipment



total length of the collector: along Khimikiv Ave. 784.4 running meters

## Social significance of the projects:



reduction risks of pollution of land cover, groundwater of the surrounding natural environment

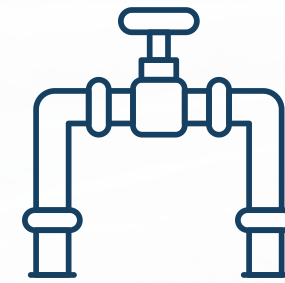


stable and continuous provision of high-quality centralized water drainage services



269 000 residents of the city will receive high-quality centralized water drainage services





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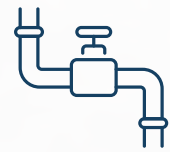
The project of reconstruction of the section  
of the main sewage collector on Hoholia  
street in Cherkasy

**The total cost of the project is  
≈ 1 932 616 EUR**

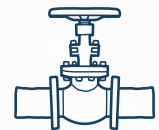
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## The projects include the following works:



rehabilitation of reinforced concrete pipelines Ø 800, which have exhausted their operational life, with pipelines made of new corrosion-resistant materials



modern equipment



total length of the collector: along Hoholia street 1108.7 running meters p.m.

## Social significance of the projects:



reduction risks of pollution of land cover, groundwater of the surrounding natural environment



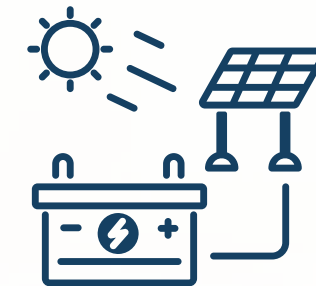
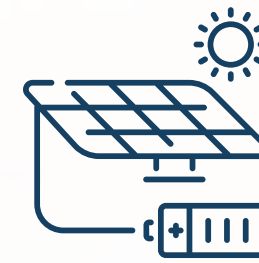
stable and continuous provision of high-quality centralized water drainage services



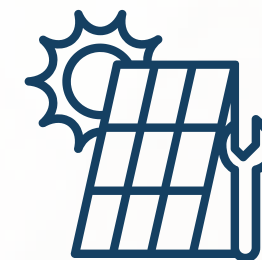
269 000 residents of the city will receive high-quality centralized water drainage services



# Alternative energy supply for the facilities of Municipal Enterprise "Cherkasyvodokanal"



Construction of a 1MW  
solar power plant at the Dnipro Water  
Treatment Plant



The total cost of the project is  
≈ 937 000 EUR



# Construction of a solar power plant (SPP)

## The projects include the following works:



purchase of equipment



installation of equipment



commissioning of SPP



electric capacity of SPP: 1 MW,  
300 kW

## Social significance of projects:



provision of 24-hour water supply and drainage for the residents of Cherkasy, in conditions of war and blackouts

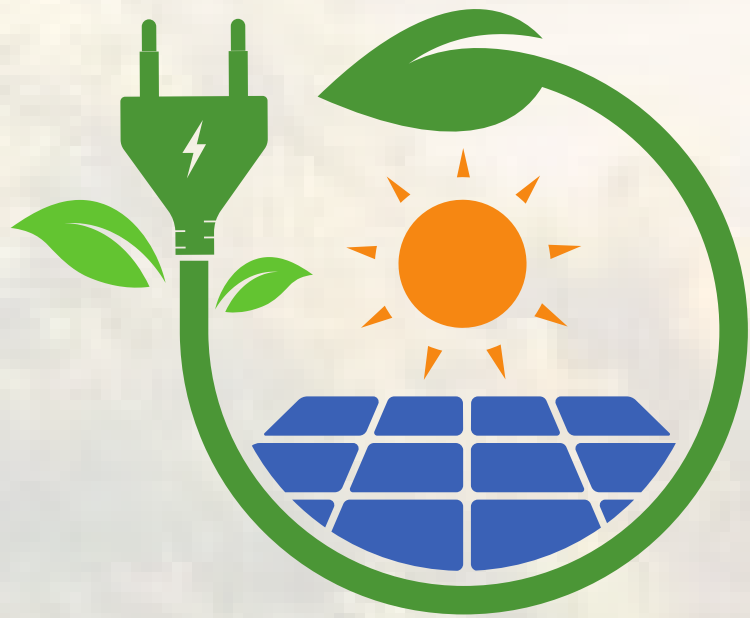


reducing the risks of environmental pollution

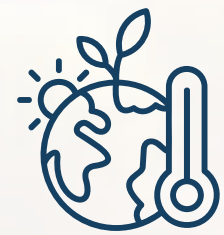


269 000 residents of the city will receive high-quality centralized water supply services





## Implementation of the project will allow:



to reduce the effects of climate change, to save 3502 trees, 37053 liters of fuel annually



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



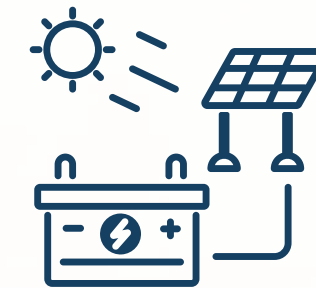
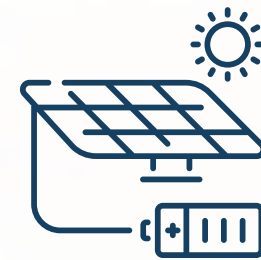
meet all 100% of the electrical energy needs of Dnipro Water Treatment Plant in the summer months



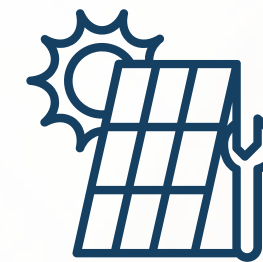
to supply excess electricity to the power grid of the village of Sokyrno, where 199 residents live



# Alternative energy supply for the facilities of Municipal Enterprise "Cherkasyvodokanal"



Purchase of a modular solar power plant of 300 kW at a pumping station of the III-stage



The total cost of the project is  
≈ 562 418 EUR





# Construction of a solar power plant (SPP)

## The projects include the following works:



purchase of equipment



installation of equipment



commissioning of SPP



electric capacity of SPP: 1 MW,  
300 kW

## Social significance of projects:



provision of 24-hour water supply and drainage for the residents of Cherkasy, in conditions of war and blackouts

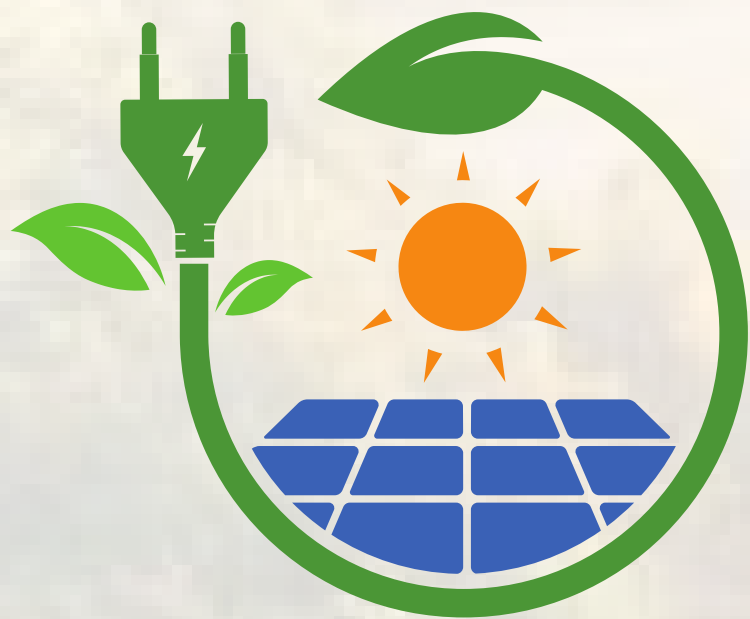


reducing the risks of environmental pollution

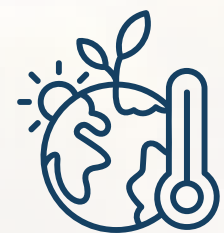


269 000 residents of the city will receive high-quality centralized water supply services





## Implementation of the project will allow:



to reduce the effects of climate change, to save 1061 trees, 11228 liters of fuel annually



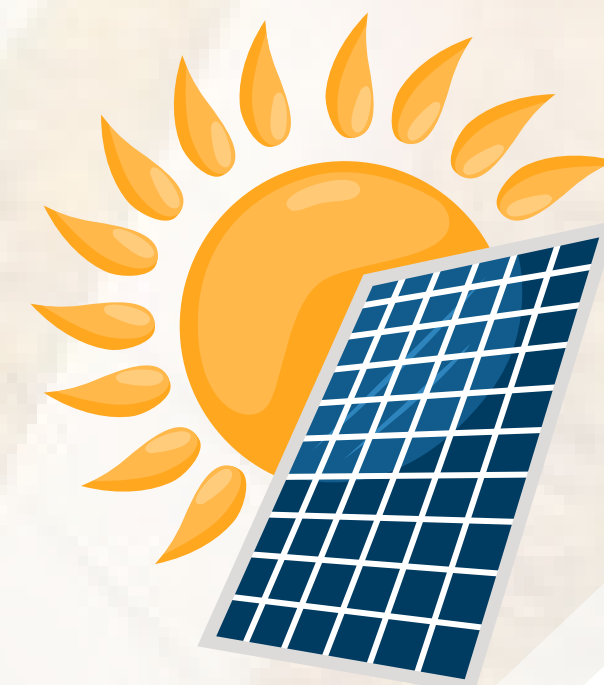
to reduce the level of carbon emissions, to reduce CO2 emissions - 8 tons/year, SOx NOx - 78 kg/year



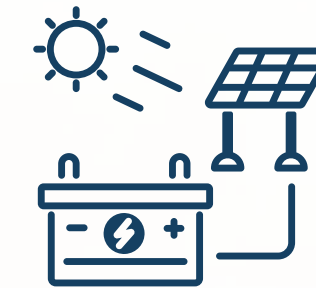
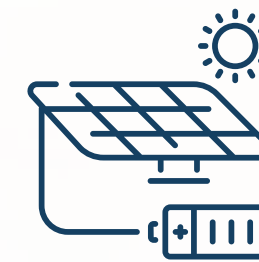
100% provision of the needs of the reserve water intake "Vilshanka" in electrical energy



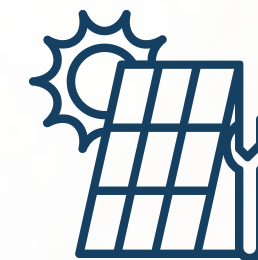
to supply excess electricity to the power grid of the village of Sokyrno, where 199 residents live



# Alternative energy supply for the facilities of Municipal Enterprise "Cherkasyvodokanal"



Purchase of a 1MW modular solar power plant at the reserve water intake "Vilshanka"



The total cost of the project is  
≈ 932 398 EUR



# Construction of a solar power plant (SPP)

## The projects include the following works:



purchase of equipment



installation of equipment



commissioning of SPP



electric capacity of SPP: 1 MW,  
300 kW

## Social significance of projects:



provision of 24-hour water supply and drainage for the residents of Cherkasy, in conditions of war and blackouts

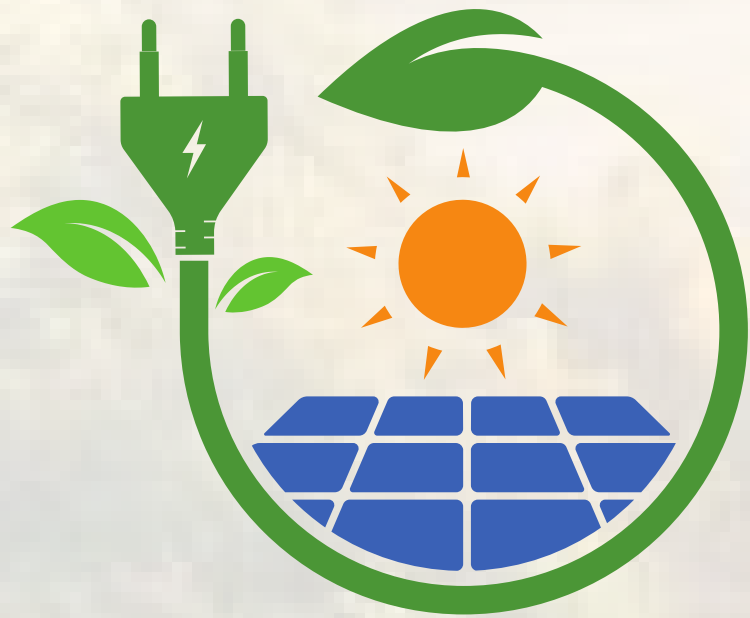


reducing the risks of environmental pollution

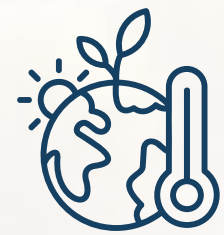


269 000 residents of the city will receive high-quality centralized water supply services





## Implementation of the project will allow:



to reduce the effects of climate change, to save 3502 trees, 37053 liters of fuel annually



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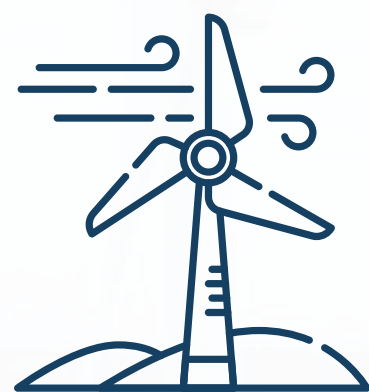
meet all 100% of the electrical energy needs of Dnipro Water Treatment Plant in the summer months



to supply excess electricity to the power grid of the village of Sokyrno, where 199 residents live



# Alternative energy supply for the facilities of Municipal Enterprise "Cherkasyvodokanal"



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

**The total cost of the project  
≈ 2 000 000 EUR**



# Purchase of a wind power plant and a 1MW container-type cogeneration gas-piston unit for the Dnipro water treatment plant

## The projects include the following works:


 purchase of equipment

 installation of equipment

 commissioning works of the wind power plant;

 electric capacity of 1MW

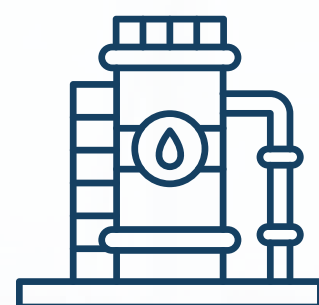
## Social significance of the projects:

 provision of 24-hour water supply and drainage for the residents of Cherkasy, in conditions of war and blackouts

 reducing the risks of environmental pollution

 269 000 residents of the city will receive high-quality centralized water supply services

# Alternative energy supply for the facilities of Municipal Enterprise "Cherkasyvodokanal"



Purchase of a 1MW  
container-type cogeneration gas-piston unit  
for the Dnipro water treatment plant

**The total cost of the project  
≈ 578 894 EUR**





# Purchase of a wind power plant and a 1MW container-type cogeneration gas-piston unit for the Dnipro water treatment plant

## The projects include the following works:



purchase of equipment



installation of equipment



commissioning works of the wind power plant;



electric capacity of 1MW

## Social significance of the projects:



provision of 24-hour water supply and drainage to the residents of Cherkasy, in conditions of war and blackouts



reducing the risks of environmental pollution



providing electrical and thermal energy to the facilities of the Dnipro water treatment plant, including during blackouts



269 000 city residents will receive high-quality centralized water supply services



# Boiler house reconstruction project with the installation of a high-voltage electric boiler with a storage tank

## Reconstruction project of the boiler house at 10 Yevhenia Kukhartsia Street

### The project includes the following works:



purchase of equipment



installation of equipment



commissioning



thermal capacity: 9 MW

The total cost of the project is  
≈ €1.1 million



# Reconstruction project of the “Mytnytsia” microdistrict with the installation of heat pumps with a storage tank



## The project includes the following works:



purchase of equipment



installation of equipment



commissioning

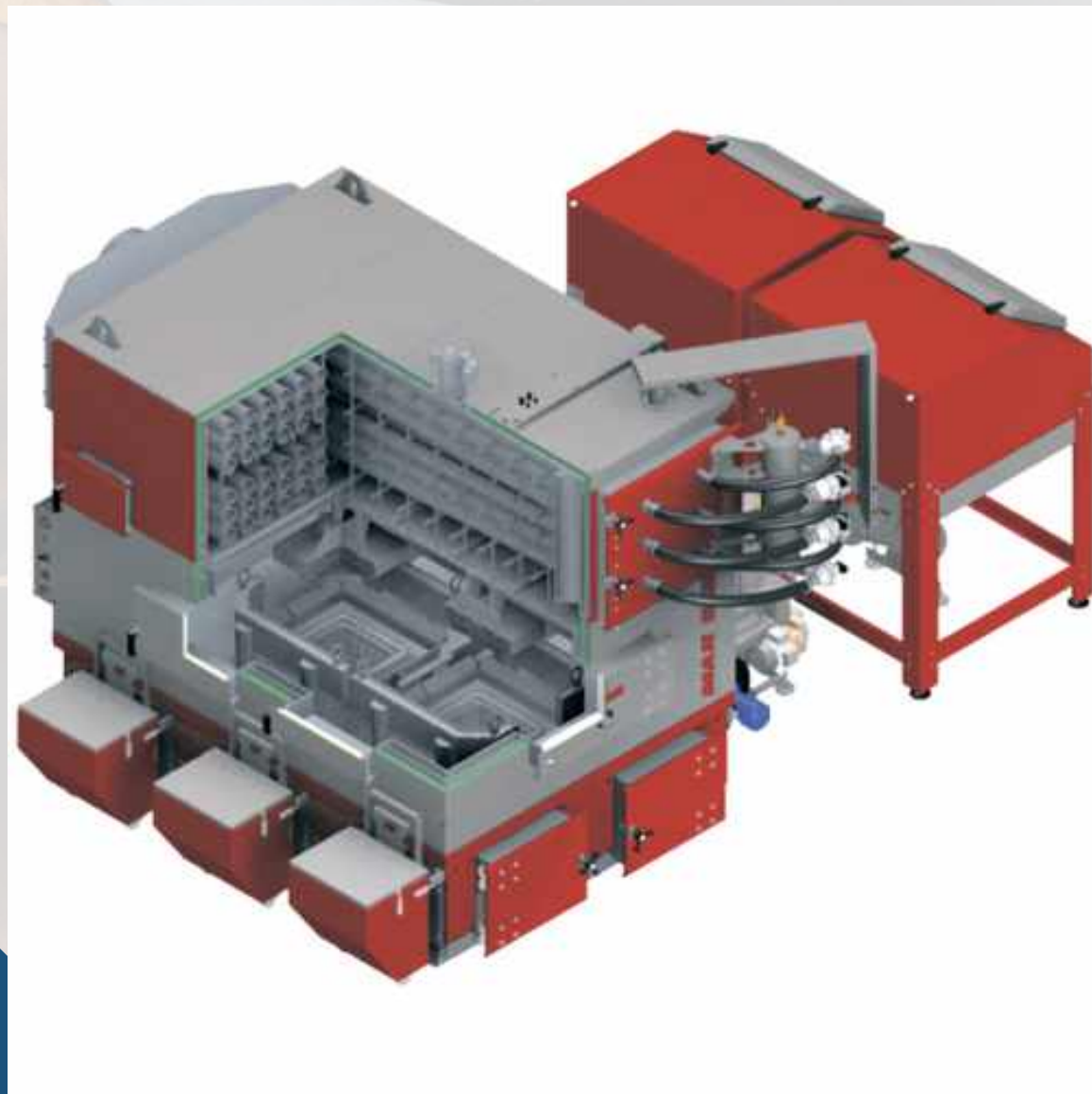


thermal capacity of two heat pumps : 8 MW

**The total cost of the project is  
≈ 4 100 000 €**



# Reconstruction of a boiler house with installation of a solid fuel boiler at 5 St. Luka Street



## The project includes the following works:



purchase of equipment



installation of equipment



commissioning



thermal capacity: 2.5 MW

**The total cost of the project is  
≈ 600 000 €**



## Reconstruction project of residential buildings, installation of Individual Heating Units



### The project includes the following works:



purchase of equipment



installation of equipment



commissioning



heat output: from 0.3 to 0.7 Gcal

**The number of IHUs that are planned to be installed is 156**

**The total cost of the project is  
≈ 1 050 000 €**





## The implementation of the projects will allow to:



provide high-quality hot water supply services for the residents of Cherkasy during the off-heating period;



reduce environmental pollution;



reduce the use of fossil fuel and energy resources.

# Thank you for your attention!

## Cherkasy City Council

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Reconstruction  
projects of  
Cherkasy

