

# RECONSTRUCTION OF DAMAGED CRITICAL INFRASTRUCTURE FACILITIES

Kryvyi Rih City Territorial Community  
(Description of projects 1-14)



**KRYVYI RIH**  
CORNUCOPIA OF YOUR OPPORTUNITIES



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# What is Kryvyi Rih today?



Before the war, Kryvyi Rih's share of Ukraine's GDP was 10%, and now it is almost 20%.

The economic power of the city is represented by 37 thousand business entities. The city's industry includes 140 large enterprises in various industries.

More than 80,000 internally displaced persons from Kherson, Donetsk, Luhansk, Kharkiv and Mykolaiv regions are already in Kryvyi Rih.

Kryvyi Rih is a transport hub for the Kyiv-Odesa, Mykolaiv, Kherson and Kharkiv, Dnipro-Vinnytsia and Lviv routes.



## Over the period 2024-2026, create conditions for:



100,000 Kryvyi Rih residents who have moved abroad return to the city;



rehabilitation, retraining and adaptation of 30,000 war veterans;



to prevent migration of the city's residents and internally displaced persons (IDPs) in the total amount of 650,000 people.

# The impact of restoration projects on the return of city residents who have left the city and incentives for city residents to stay in the city

The projects will ensure that the main criteria are met:



safety of citizens



comfort of living



social stability of society



ecology



income of residents  
and IDPs

# Evaluation of projects by criteria. Motivating the return of residents and deterring their migration from the city



No	Projects	Safety	Social stability	Income of residents	Comfort of living	Ecology	Investment amount
1	Construction of housing for crisis cases. Restoration and thermal modernisation of the preserved part of the destroyed residential buildings. (Appendix 1)	+	+		+		31.75 million euros
2	Establishment of a military medical rehabilitation complex on the basis of municipal hospitals with mud treatment and radon hydrotherapy. (Appendix 2)		+		+		21.2 million euros
3	Restoration of damaged educational facilities (76 facilities). Construction of protective structures at educational institutions (40 units). (Appendix 3)	+	+		+		15,0 million euros
4	Centralized water supply. Resistance of Kryvbasvodokanal to blackouts. Decentralization of electricity supply, construction of a solar power plant. (Appendix 4)				+	+	6.774 million euros
5	Centralized heat supply. Purchase of burners for boiler houses of Kryvorizhtplomerezha. (Appendix 5)			+	+	+	6.65 million euros
6	Centralized heat supply. Replacement of heating networks of Kryvorizhtplomerezh. (Appendix 5)			+	+	+	44.7 million euros
7	Thermal modernization of municipal facilities. Energy efficiency of educational institutions (44 institutions) Energy efficiency of healthcare institutions (20 institutions). (Appendix 6)		+		+	+	19.9 million euros
8	Construction of housing for internally displaced persons. Creation of housing conditions for IDPs in Kryvyi Rih. (Appendix 7)	+	+		+		2.2 million euros
9	Centralized heat supply. Installation of block boilers at municipal facilities. (Appendix 5)			+	+	+	4.525 million euros
10	Centralized water supply. Restoration of critical infrastructure facilities at Kryvbasvodokanal damaged as a result of the Kakhovka hydroelectric power station destruction. (Appendix 4)		+		+	+	126.3 million euros
11	Establishment of a modern children's hospital. (Appendix 8)		+		+		28.7 million euros
12	Modernisation of transport infrastructure, "Reconstruction of the road on Gagarin Avenue in Kryvyi Rih, Dnipropetrovsk Region." (Appendix 9)				+	+	22.2 million euros
13	Establishment of Kryvbas Industrial Park. (Appendix 10)		+	+	+		3.334 million euros
14	Establishment of Phoenix Technopark (Innovation). (Appendix 11)		+	+	+		3.612 million euros
<b>Total amount</b>							<b>336.845 million euros</b>

Short-term perspective

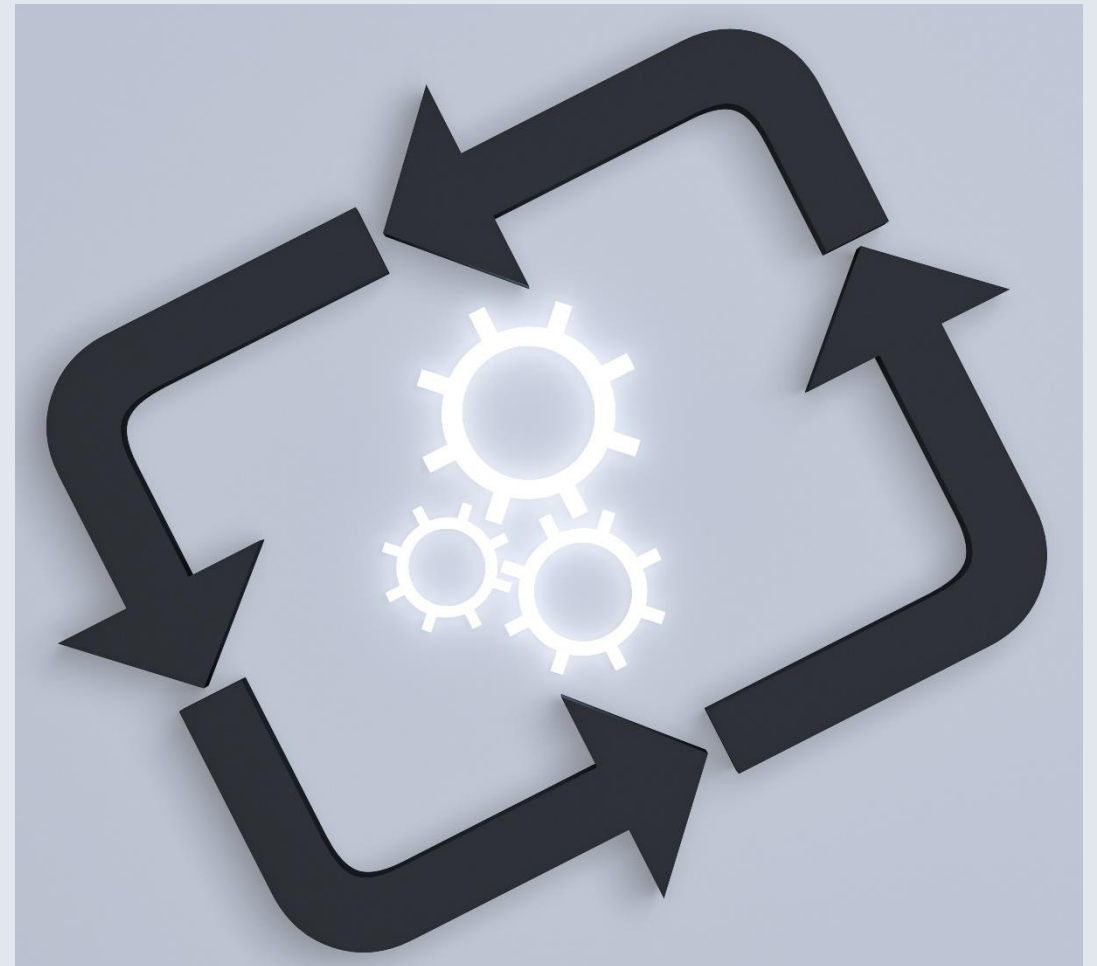
Medium-term perspective

Long-term perspective

# Closed loop of improvements

Projects will ensure a long-term and sustainable impact through a closed loop of improvements.

Infrastructure development enhances the quality of life, leading to economic growth, which, in turn, promotes further investment and social progress.





This portfolio of projects, amounting to **EUR 337 million**, will enable the rehabilitation and adaptation of veterans, the return of those who have gone abroad and the retention of city residents and IDPs from migration, totalling more **than 780 thousand people** in all categories.

**Within recalculation for 1 person, it is a one-time investment of EUR 432.**

That's less than Germany pays every month for:

- adult citizens of Ukraine – EUR 451;
- children aged 14-17 – EUR 420;
- children aged 6-13 – EUR 348;
- children under 5 years old – EUR 318.



We involve international experts and consultants in the process of transforming the city's economy. A separate project team is created to support each investor.

**As of 2021, the city has a portfolio of 133 projects worth a total of €226.397 million.**

## Experience in working with donors and international organisations:

- USAID;
- GIZ;
- UNICEF;
- Save the Children;
- ACTED;
- HEKS/EPER;
- Solidarites International;
- Intersos;
- International Renaissance Foundation;
- Swiss Solidarity;
- UNESCO;
- Hanns Seidel Foundation;
- Project HOPE.

## Experience working with financial institutions:

- EBRD (43,8 million euros);
- The EIB (36 million euros);
- IFC (27 million euros);
- KfW (UFSI);
- Fitch Ratings.

# Transparency and reporting of the spent funds

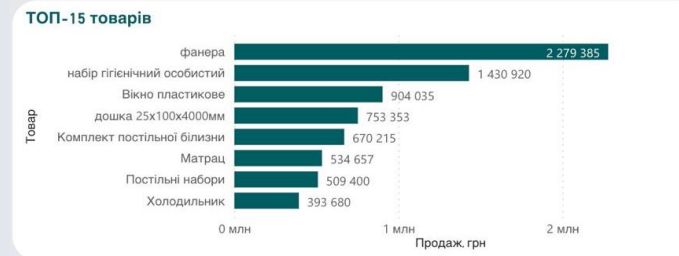


The city guarantees the transparency and efficiency of spending funds through the introduced and approved Microsoft Business Central product.

Виконавчий комітет Криворізької міської... | Продажі | Покупка

Постачальники: Усі | орган

П-000002 Міжнародна орган... 13 630 401,84	П-000003 Відокремлений під... 2 247 256,34	П-000007 Міжнародна неур... 20 741 254,57
П-000042 Благодійна організаці... 252 398,10	П-000070 БЛАГОДІЙНА ОРГАНИ... 119 190,00	П-000073 БО ВПІ ІНТЕРСОС - ГУ... 405 744,00
П-000079 Благодійна органа... 1 695 649,24	П-000083 Всесвітня організація охоро... 0,00	П-000084 Громадська організ... 1 368 238,62
П-000089 Благодійна організація "Бла... 0,00	П-000115 Громадська організаці... 163 000,00	П-000147 Криворізька міська орг... 4 179,00
П-000161 ГРОМАДСЬКА ОРГАН... 123 695,00	П-000175 Національна скаутськ... 262 896,00	П-000200 Громадська організаці... 48 369,00
П-000212 Громадська організаці... 200 000,00	П-000215 Благодійна організаці... 145 920,00	



Клієнт	Категорія	Товар	грн	од.вим.
Криворізький лицей №24 КМР	Конструкційні матеріали різні	фанера	602 730	6 516,000
сім'ї, які постраждали від ракетних обстрілів	Конструкційні матеріали різні	рейка соснова 25*20*2000	30 618	6 300,000
Родини ВПО з дітьми	Парфуми, засоби гігієни та презервативи	набір гігієнічний особистий	584 129	3 384,000
Криворізький лицей №24 КМР	Конструкційні матеріали різні	дошка 25x100x4000мм	132 090	3 000,000
Криворізький лицей №24 КМР	Конструкційні матеріали різні	OSB плити 9мм 2500x1250мм	58 872	2 484,000
Криворізька гімназія №55 КМР	Матраці	Матрац	204 904	2 230,000
Криворізький лицей №24 КМР	Вікна	Вікно пластикове	873 585	2 040,000
КПНЗ «ЦНТТУМ Металургійного району» КМР	Конструкційні матеріали різні	OSB плити 9мм 2500x1250мм	46 927	1 980,000
Криворізька гімназія №45 КМР	Матраці	Матрац	377	1 885,000
<b>Всього</b>			<b>10 153 217</b>	<b>88 789,600</b>

10 153 217



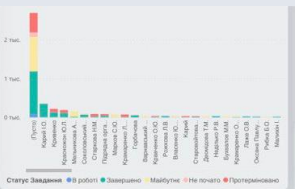
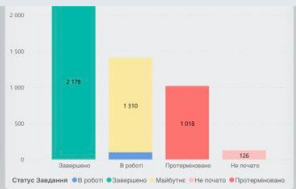
# Transparency and reporting of the processes



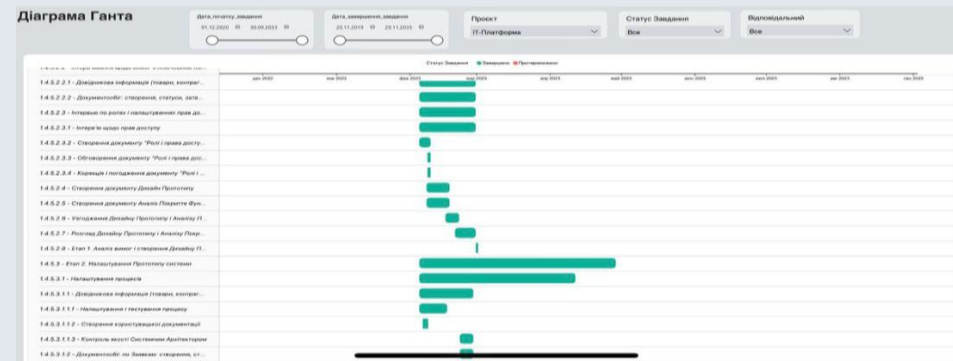
The city guarantees the transparency of processes through the introduced and approved products of Microsoft Project, Microsoft Planner, Microsoft Power BI and Microsoft Teams. The quality management process in the projects is confirmed by the ISO certificate.

## Сітка Проєктів

Ім'я проєкту	Прогрес %	Початок	Кінець	Тривалість, дні	Керівник проєкту	Всього завдань	Завершені	Протерміновані	Майбутні	В роботі	Не початі
ІТ-Платформа	98%	01.07.2021	01.09.2023	567		85	80	5			
Єдина інформаційна система	81%	07.05.2021	19.11.2024	923		58	47		11		
Житло для ВПО	6%	01.07.2021	31.12.2025	1 175		501	38	279	90		94
Зручний маршрут	15%	16.02.2023	28.02.2023	9		11	10				
ІП Кривбас	62%	01.07.2021	29.12.2023	652		63	50	10			1
ІП Харчовий Комбінат	4%	16.08.2022	27.06.2024	488		91	6		17		1
Комплексний благоустрій бул Вечірнього та вул Івана Авраменка	16%	06.01.2021	21.10.2024	989		523	144	6	373		
Комплексний благоустрій мікрорайону 5-го Зарічного	88%	06.01.2021	09.04.2025	1 111		152	104		48		
Комплексний благоустрій мікрорайону 7-го Зарічного	86%	06.01.2021	12.02.2025	1 071		152	102	6	44		
Комплексний благоустрій мікрорайону Гірницький	88%	06.01.2021	12.02.2025	1 071		152	104	4	44		
Комплексний благоустрій мікрорайону Індустріальний	27%	06.01.2021	26.12.2024	1 037		324	131		193		
Комплексний благоустрій мікрорайону Східний 1	88%	06.01.2021	12.02.2025	1 071		152	104	4	44		
Комплексний благоустрій мкр-ну 4-го Зарічного	35%	06.01.2021	13.05.2025	1 135		1 383	727	214	440		2
Проєкт ЕСКО	19%	20.11.2019	29.11.2035	4 182		343	201	71	52		19
Розвиток технопарку	9%	16.02.2023	16.11.2026	978		144	22	79	41		2
Система активів міста 2	61%	10.01.2022	01.03.2024	560		451	239	200	8		4
Теплий під'їзд	14%	01.07.2021	29.12.2023	652		146	78	63	2		3
<b>Всього</b>						<b>4 731</b>	<b>2 178</b>	<b>1 018</b>	<b>1 409</b>		<b>126</b>

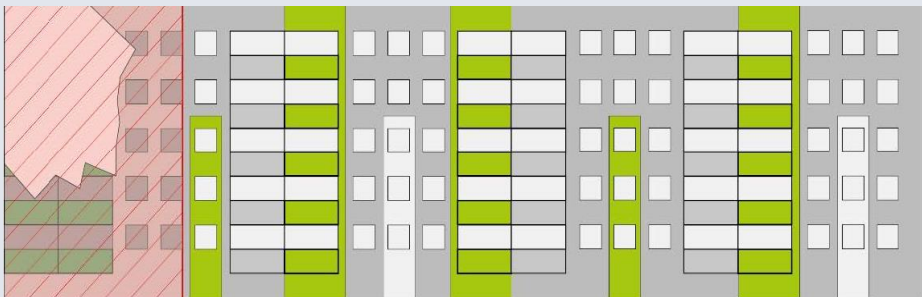


## Діаграма Ганта



## Project 1 (Annex 1)

# Construction of housing for crisis cases. Restoration and thermal modernisation of the preserved part of the destroyed residential buildings



## PROJECT OBJECTIVES

- provide temporary accommodation for residents of destroyed buildings in the city. Construction of 8 buildings for 1500 apartments (58 thousand m<sup>2</sup>) - 31 million euros;
- complete thermal modernisation of the preserved part of the buildings to ensure safe and comfortable living conditions for the residents. Restoration and thermal modernisation of destroyed residential buildings - 0.75 million euros.

Estimated cost of the project : 31.75 million euros

## Project 2 (Annex 2)

# Establishment of a military medical rehabilitation complex on the basis of municipal hospitals with mud treatment and radon hydrotherapy

## PROBLEMS:

Since the beginning of Russia's full-scale military aggression, tens of thousands of Kryvyi Rih defenders and heroes of Ukraine have been in need of specialised treatment, medical rehabilitation and adaptation.

Kryvyi Rih has the appropriate medical infrastructure and a unique source of radon mineral water to create a medical centre.

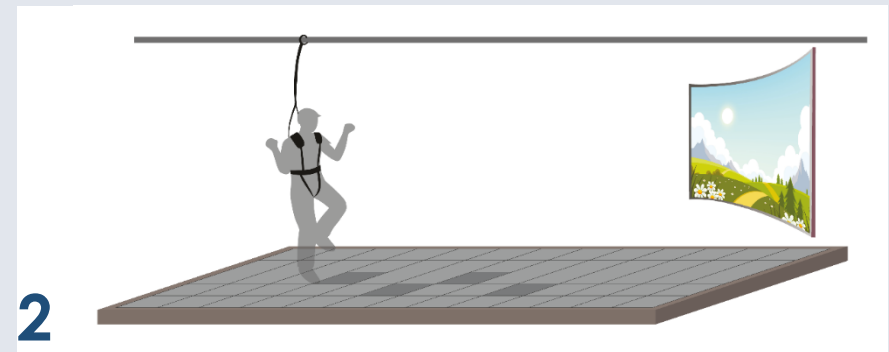
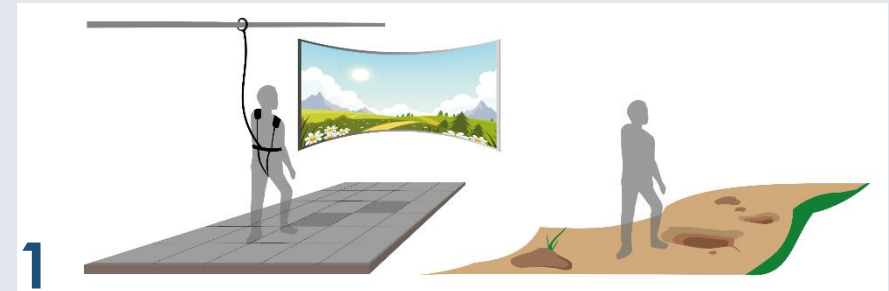
## PROJECT OBJECTIVES

Creation of a medical and rehabilitation complex on the basis of municipal hospitals to provide comprehensive treatment and rehabilitation. Using radon water, mud therapy and other physiotherapy procedures.

## Rehabilitation with the help of dosed stress

If the condition is satisfactory and the person can move on his own, rehabilitation takes place with support on bars.

Estimated cost of the project: **21.2 million euros**



## Project 3 (Annex 3)

Restoration of damaged educational facilities (76 facilities). Construction of protective structures at educational institutions (40 units)

## PROJECT OBJECTIVES

Since the beginning of hostilities, 76 educational institutions have been damaged in the city.

In order to conduct offline training while preserving the lives and health of children, 76 educational institutions need to be restored and 40 modular protective structures purchased.

Estimated cost of the project: 15.0 million euros



## Project 4 (Annex 4)

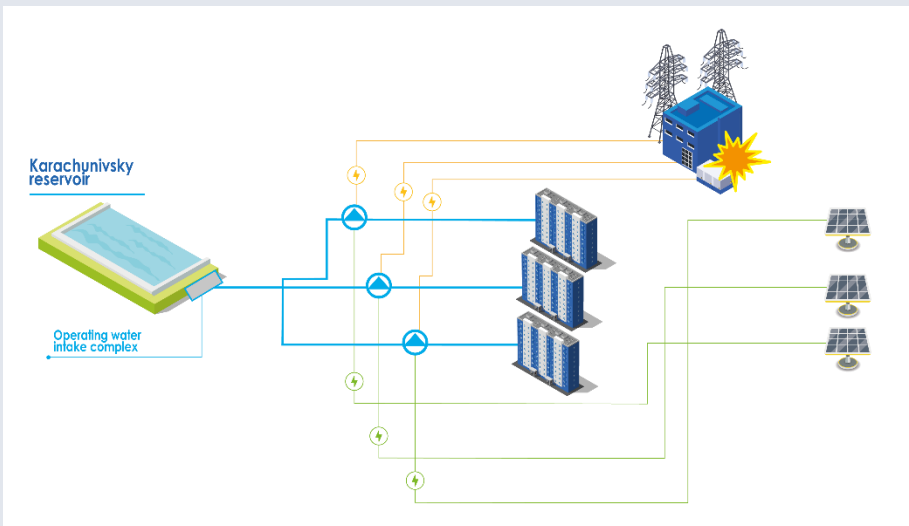
Centralized water supply. Resistance of Kryvbasvodokanal to blackouts.  
Decentralization of electricity supply, construction of a solar power plant



## PROJECT OBJECTIVES

To minimise the risk of blackouts, there is a need to build an additional independent power source.

Estimated cost of the project: **6.774 million euros**



## PROJECT OBJECTIVES

- reducing dependence on russian gas supplies;
- reducing emissions of harmful gases (CO, CO<sub>2</sub>, NO<sub>x</sub>) into the atmosphere;
- improving the efficiency of the heat supply municipal facility;
- increased efficiency in the use of budgetary resources;
- reduction of heat losses by up to 30%.

Estimated cost of the project: **6.65 million euros**



Boiler PTVM-50 before reconstruction



After reconstruction



## PROBLEMS:

The city of Kryvyi Rih has a length of 126 km, with the average length of heating supply networks exceeding 15 km. Over the long period of operation of the heating networks (more than 40 years), the deterioration of the heating networks is 50-60%.

This results in increased costs for the city budget due to the growth of actual gas consumption, heat losses through insulation and heat carrier leaks, and increased maintenance costs for repairs.

## PROJECT OBJECTIVES

Reduce heat losses by 30% and reduce the city budget's expenditures on consumer gas.

Estimated cost of the project: **44,7 million euros**



## Project 7 (Annex 6)

Thermal modernization of municipal facilities. Energy efficiency of educational institutions (44 institutions) Energy efficiency of healthcare institutions (20 institutions)



Energy efficiency of educational institutions (44 institutions)

Energy efficiency of healthcare institutions (20 institutions)

## PROJECT OBJECTIVES

The project will help reduce dependence on russian energy resources and increase the efficiency of budget spending.

The result is resource savings of up to 40% of the standard consumption.

Estimated cost of the project: **19.9 million euros**



## Project 8 (Annex 7)

# Construction of housing for internally displaced persons. Creation of housing conditions for IDPs in Kryvyi Rih



Creation of living conditions for IDPs in Kryvyi Rih (reconstruction of two dormitories in the city)

## PROJECT OBJECTIVES

Almost 80,000 internally displaced people have arrived in Kryvyi Rih since the start of Russia's military aggression.

The objective of the project is to comprehensively restore the dormitory buildings to residential readiness, which will provide housing for about 500 families.

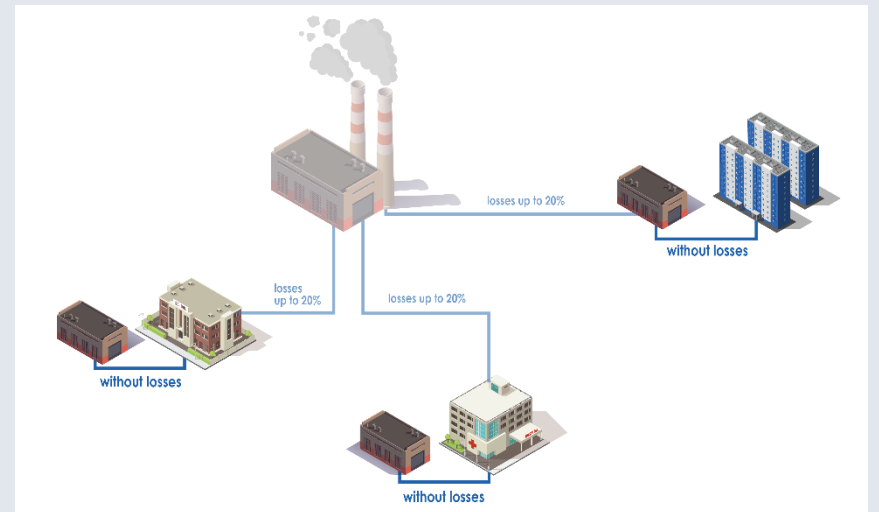
Estimated cost of the project : **2.2 million euros**

## PROJECT OBJECTIVES

Reducing dependence on energy resources from russia and increasing the efficiency of budget spending.

To minimise the risk of blackouts, ensure reliable heat supply, reduce fuel and energy consumption, and reduce CO2 emissions, it is necessary to install block boilers at the city's municipal facilities.

**Estimated cost of the project: 4.525 million euros**



## Project 10 (Annex 4)

# Restoration of critical infrastructure facilities at Kryvbasvodokanal damaged as a result of the Kakhovka hydroelectric power station destruction (1/2)



1. Water supply networks
2. Wastewater networks
3. Karachunivsky water supply complex
4. Reconstruction of the central aeration station (CSA)

In June 2023, as a result of the destruction of the Kakhovka Hydroelectric Power Station by Russia, which was 70% of the water supply to Kryvyi Rih and Kryvyi Rih district, more than 740,000 people were at risk of complete dehydration.

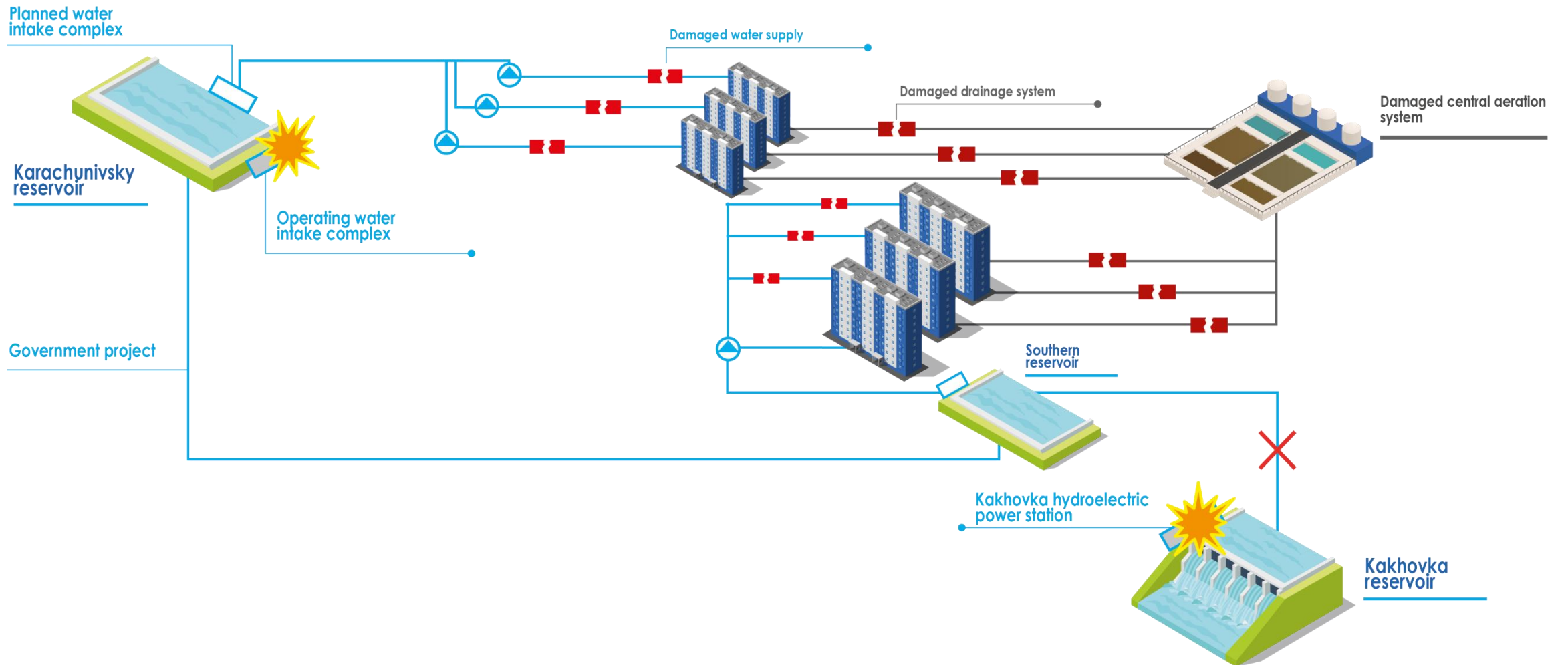
A set of measures was taken to partially supply the population with water. During the works, numerous hydroblows impacts occurred throughout the network, which led to the destruction of the city's main water supply and sewage networks.

Due to the destruction of the Kakhovka HPS, limited water resources and an increased load on the Central Aeration Station, which provides wastewater treatment, it became necessary to reconstruct it.

**Estimated cost of the project: 126.3 million euros**

# Project 10 (Annex 4)

## Restoration of critical infrastructure facilities at Kryvbasvodokanal damaged as a result of the Kakhovka hydroelectric power station destruction (2/2)



Kyryvyi Rih is the largest industrial centre in Ukraine. The city is home to 113,089 children aged 0 to 18. Currently, the number of children has increased by almost 17,000 due to internally displaced persons.

The new hospital will provide access to updated diagnostic and treatment methods for children.

The hospital will become an important element of the medical infrastructure to provide assistance in case of unexpected cases or epidemics among children.

## PROJECT OBJECTIVES

Improving the quality and accessibility of specialised medical care for children through the construction of the Central Children's Hospital in the South-Eastern region of Ukraine.

Estimated cost of the project: **28.7 million euros**



## PROJECT OBJECTIVES

Kryvyi Rih is a transport hub for the Kyiv-Odesa, Mykolaiv, Kherson and Kharkiv, Dnipro-Vinnytsia and Lviv routes.

Gagarin Avenue is one of the main transport routes in Kryvyi Rih, providing for the movement of transit vehicles, city cars and electric vehicles (trolleybuses, buses and fixed-route taxis).

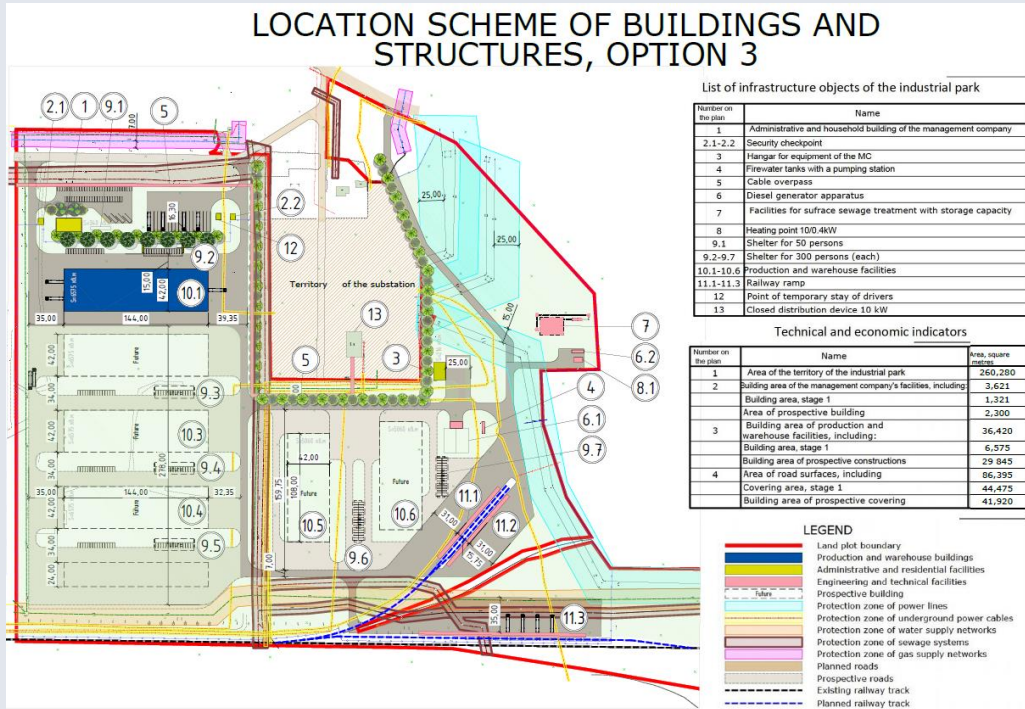
The total length of the avenue is 1.75 km, the width is 20 m and the area is 35,000 m<sup>2</sup>. The reconstruction includes the complete replacement of municipal utilities and communications in the underground part of the avenue.

**Estimated cost of the project: 22.2 million euros**





# Project 13 (Annex 10) Establishment of Kryvbas Industrial Park



## PROJECT OBJECTIVES

Reduced labour migration and return of city residents who have moved abroad.

The creation of the "Kryvbas" industrial park can help to locate relocated enterprises and employ internally displaced persons who have moved from the areas where hostilities are taking place.

Estimated cost of the project: **3.334 million euros**



# Project 14 (Annex 11) Establishment of Phoenix Technopark (Innovation)

## PROJECT OBJECTIVES

The main objective is to reduce labour migration and increase the city's intellectual potential.

The Technopark will become a centre for start-ups, researchers and innovators to collaborate and develop innovative solutions in the areas of energy efficiency, mining, geological exploration and military technologies.

Estimated cost of the project: **3.612 million euros**



# CONTACTS

## YEVHEN UDOD

Deputy Mayor of Kryvyi Rih  
+380 95 545 56 05  
[invest@kr.gov.ua](mailto:invest@kr.gov.ua)



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