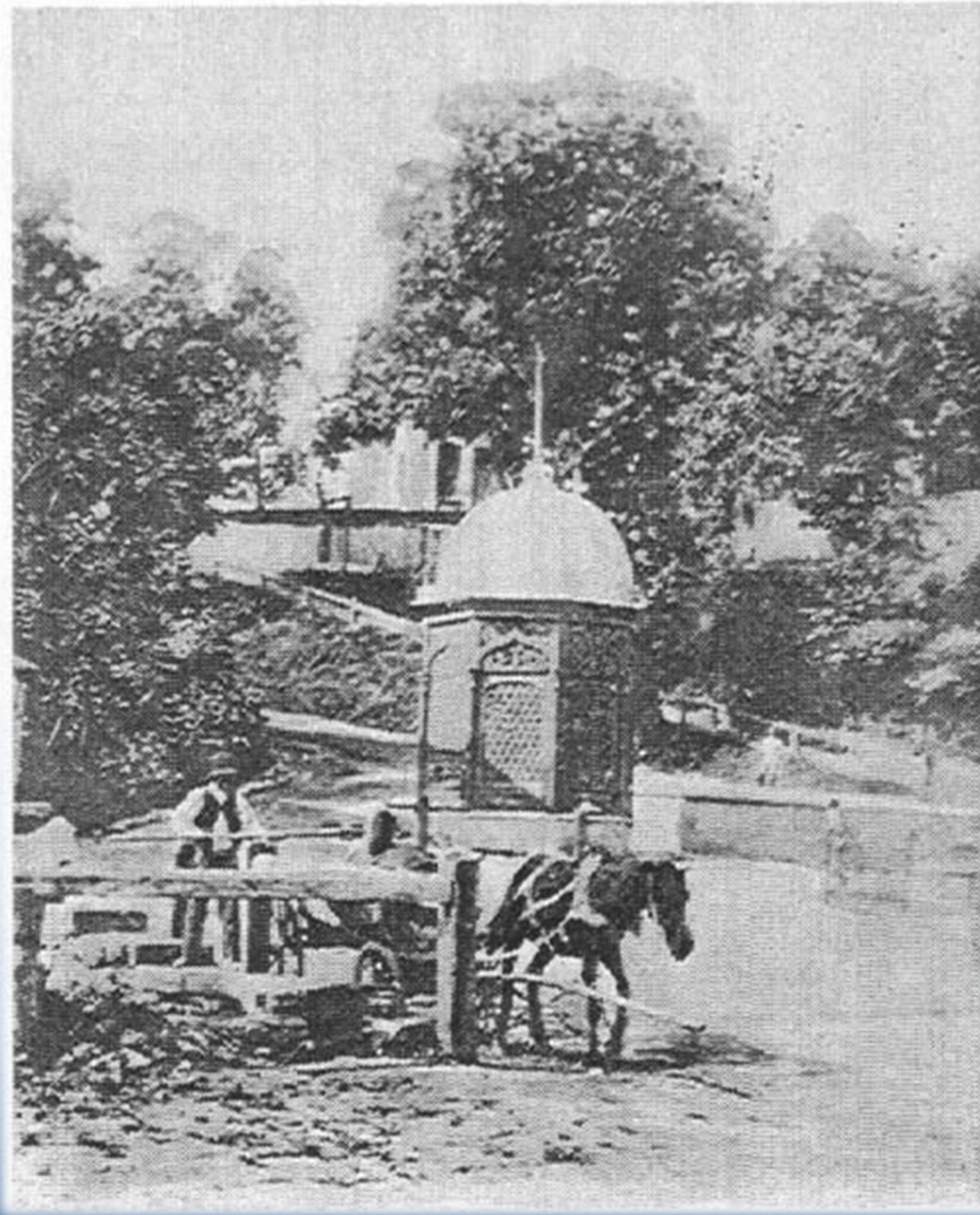




Implementation of Chernivtsivodokanal Infrastructure Projects funded by IFI: Experience, Challenges and Perspective

History of water supply of the Chernivtsi city



ME "Chernivtsivodokanal" was created to provide the city with drinking water, maintenance and operation of water and sewage networks and facilities.

Providing the city with drinking water has always been difficult. The inhabitants of old Chernivtsi used water from wells and springs.

In 1880s, the city magistrate start construction of water supply system from the Prut River.

In November 1895, the station with two water intakes "Lenkivtsi-1" and "Rohizna" were built and putted into operation by the Austrian company "Rumpel UND Niklas".

The capacity of the pumping station was 3.6 thousand cubic meters per day, steam engines were used. This is how the history of the utility company began.

Over the 129 years of its operation, the enterprise has turned from a small object into a powerful strategically important enterprise for both the city and the region, which employs more than 700 people, serving not only the residents of the city of Chernivtsi, but also the residents of neighboring villages of the region.



181,6 KM²

The territory of
the community

**269,4
THOUSAND PEOPLE**

Population

**24 545,7
THOUSAND M³**

Lifted water in 2023

63 %

NRW in 2023

440 KM

Water supply
network

160 KM

Depreciated
Water supply
network

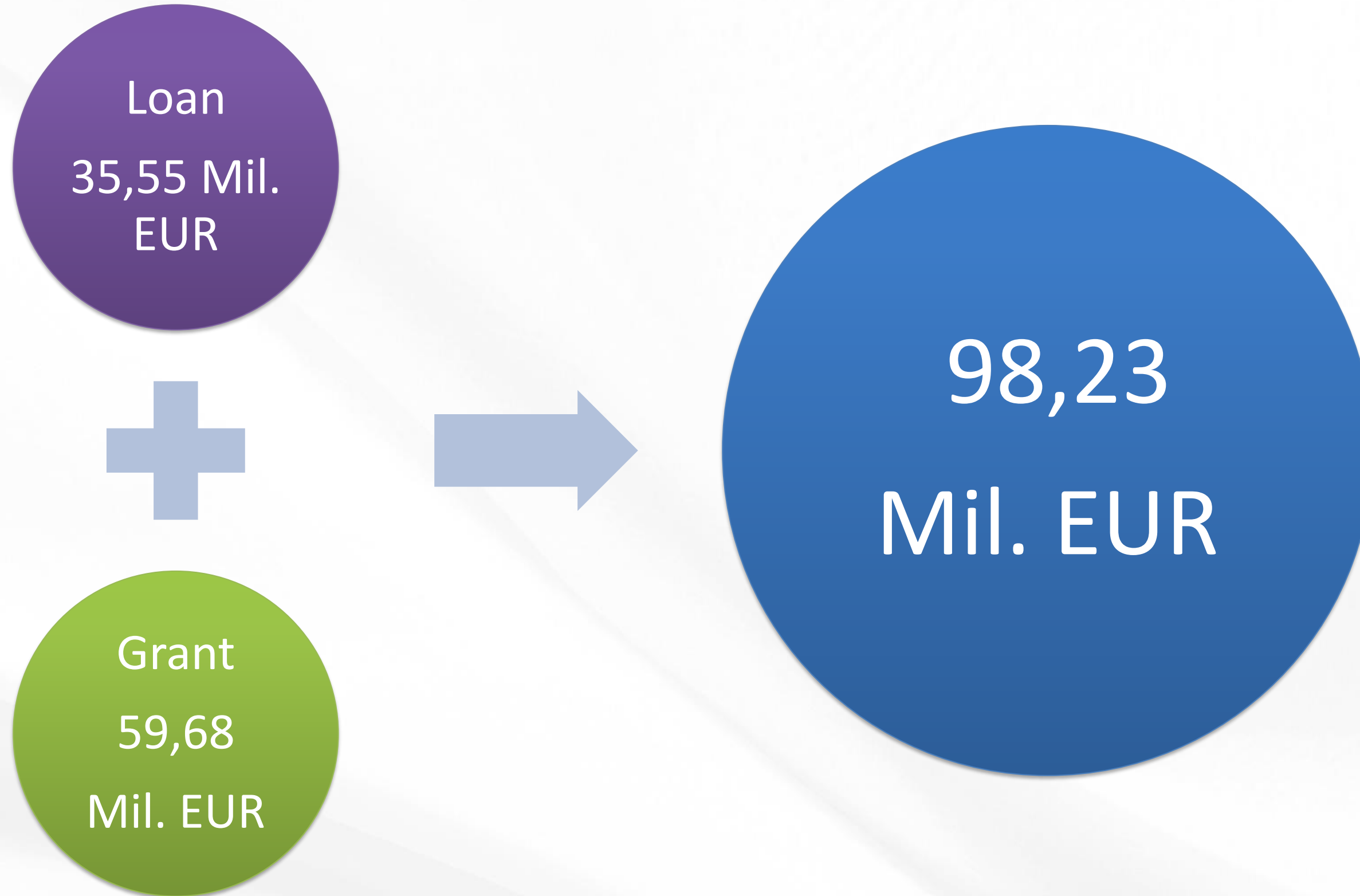
320 KM

Sewage network

120 KM

Depreciated
Sewage network

Financial Contributions



Міністерство
фінансів
України



МІНІСТЕРСТВО
ВІДНОВЛЕННЯ
розвитку громад, територій
та інфраструктури



Чернівецька міська рада



Government of the Federative Republic

Germany

via KfW

Municipal Water Infrastructure Project Chernivtsi, Phase 1
Loan – 17 million euro

Municipal Water Infrastructure Project Chernivtsi, Phase 2
Loan – 21,55 million euro; Grant – 2,0 million euro

Strengthening of the local self-government in Ukraine
Grant – 16,4 million euro

Consulting Services
Grant – 3,6 million euro

Consulting Services
Grant – 3,0 million euro

Municipal Infrastructure Development
Grant – 14,93 million euro

Municipal Infrastructure Development, Phase II
Grant – 19,75 million euro

via KfW

European Union



Міністерство
фінансів
України



МІНІСТЕРСТВО
ВІДНОВЛЕННЯ
розвитку громад, територій
та інфраструктури



Чернівецька міська рада



Purpose of the Projects



Rehabilitation of depreciated and outdated water and sewage infrastructure

Significant impact on improving of the environmental protection of the Prut River in terms of cross-border cooperation with neighboring countries (Romania and Moldova);

Possibility of using a systemic approach, modern technologies and positive experience that will be gained in the direction of reducing physical water losses and increasing the energy efficiency of communal infrastructure facilities.

Strategic goals

Goal 1:
Implementation of modern energy-saving technologies



1.1. Reducing consumption of energy and material resources

1.2. Reduction of water losses and costs

Goal 2:
Improving the quality of water supply and sewage services



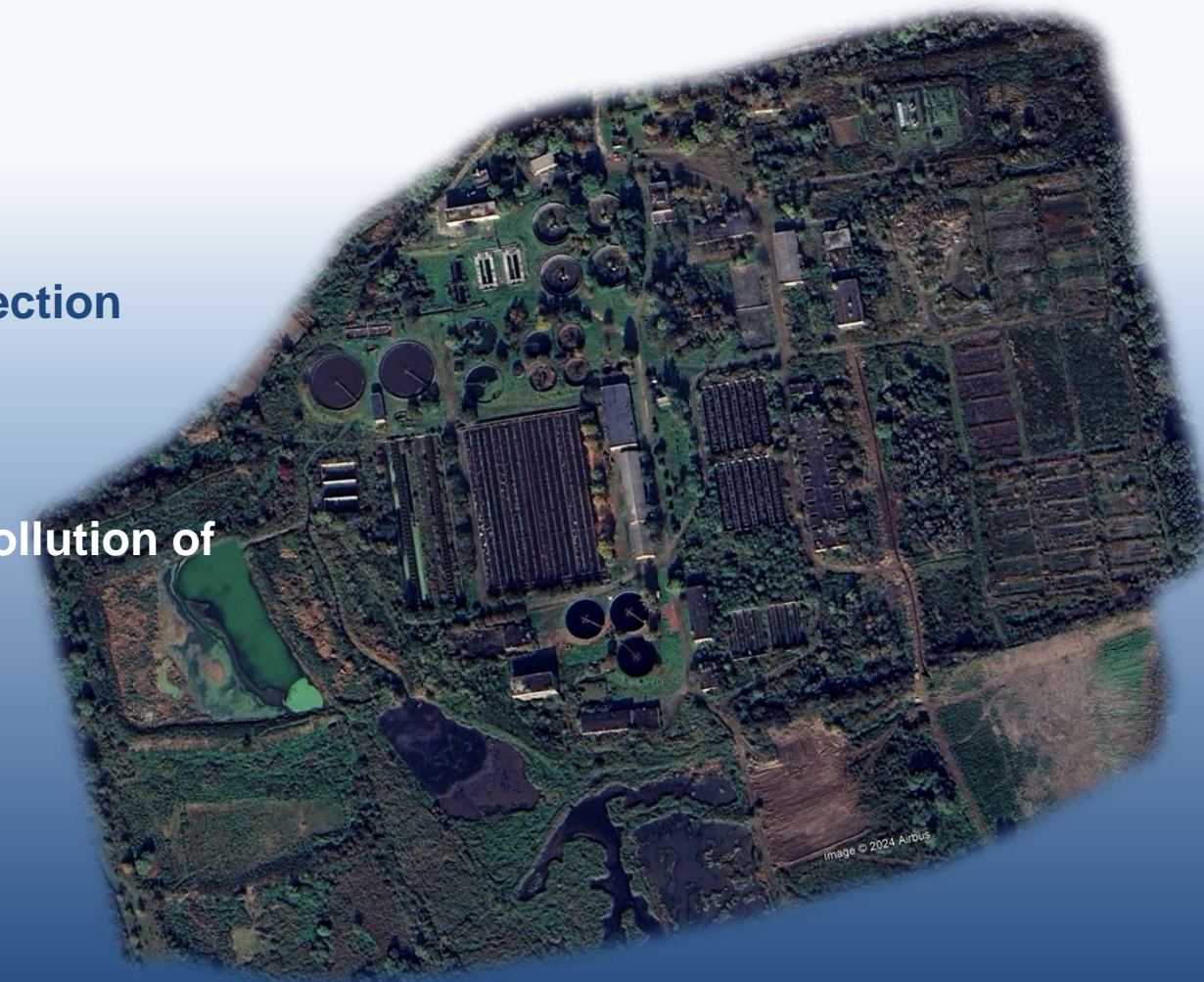
2.1. Provision of sustainable 24H water supply and sewage services

2.2. Improving of the water treatment quality

Goal 3:
Environmental protection



3.1. Prevention of pollution of the Prut River



Ongoing Activities

Rehabilitation of 5,85 km transmission main pipeline with diameter 800-1000mm

Construction of sodium hypochlorite manufacturing facilities

Rehabilitation of 7 km transmission main pipeline with diameter 800mm



Ongoing Activities



Ongoing Activities



Ongoing Activities



Key Challenges in Project Implementation in Ukraine



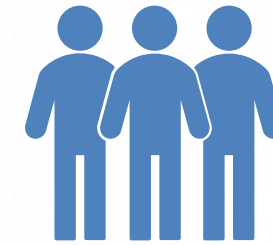
Bureaucratic

Time-consuming approval process
Complex tendering processes following IFI's rules
Unforeseen change of legislation
Contradictions between IFI's rules and Ukrainian legislation



Supply and Logistics Issues

Challenges in importing equipment and materials
Potential delays in supplies due to long hand of logistic
Limited availability on local market



Labor Shortages and Mobilization

Lack of qualified specialists due to mobilization and workforce migration
Challenges in retaining military-reserved staff for critical projects, affecting project schedules.



Environmental Compliance

Meeting international environmental standards requires additional environmental protection measures.
Increasing requirements for water resource management and protection, necessitating innovative solutions and further investments.

Cooperation Perspectives

Partnership opportunities

Partnership for Growth: Inviting support from international and local partners for infrastructure extension and modernization.

Shared Vision: Commitment to improving community resilience and operational efficiency through collaboration.

Upcoming tenders





Rehabilitation of Wastewater Treatment Plant (WWTP)
January 2025, estimated value around 20 MEUR

Replacement of main city water and sewage networks
February 2025, estimated value around 21 MEUR

Replacement of pumps at Wastewater Pumping Stations
May 2025, estimated value around 3 MEUR

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