



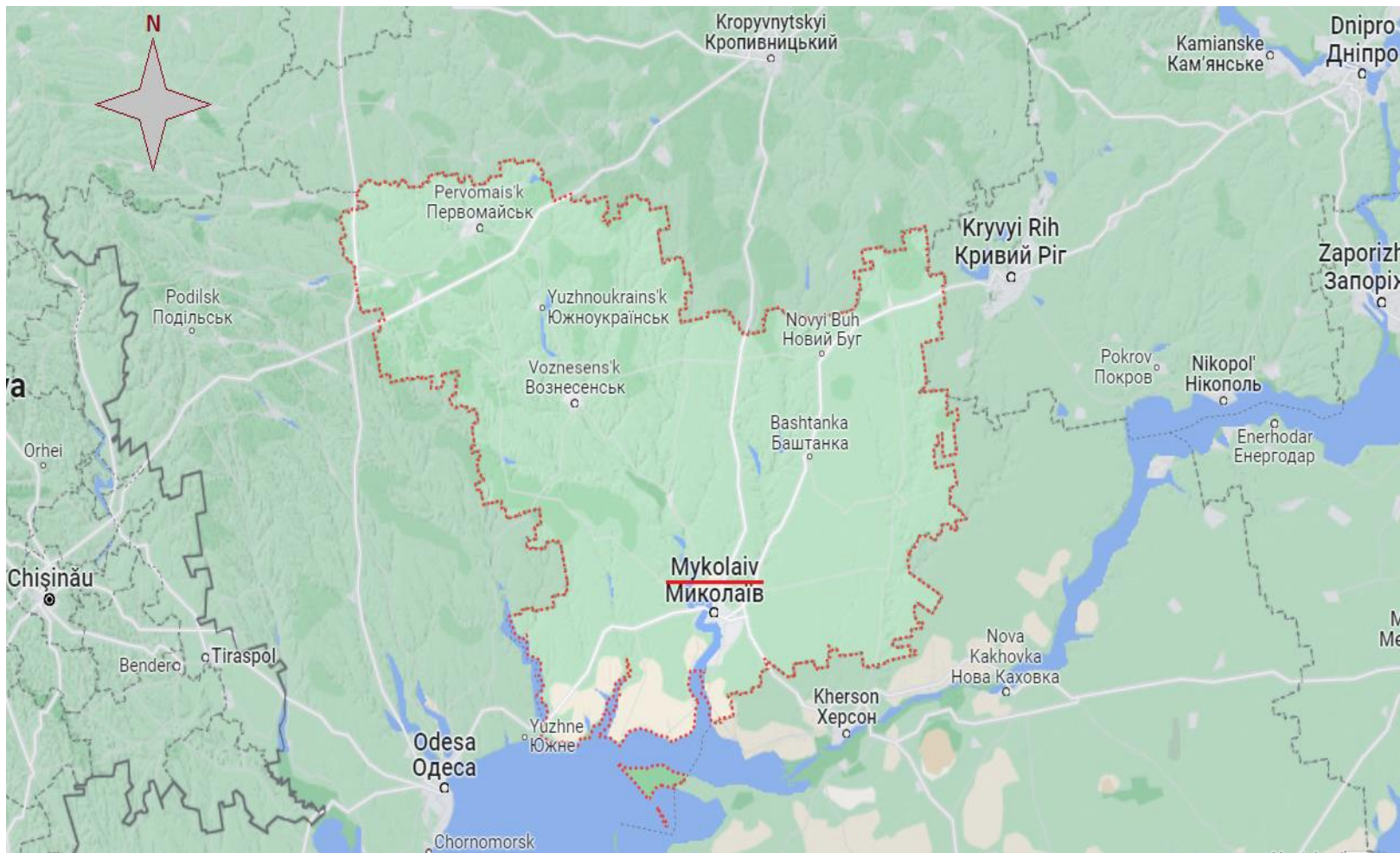
CME «Mykolayivvodokanal»

Experience and mechanisms of implementation of projects in the water supply and wastewater sector of Ukraine

Dr. Viktor Pisotskyi

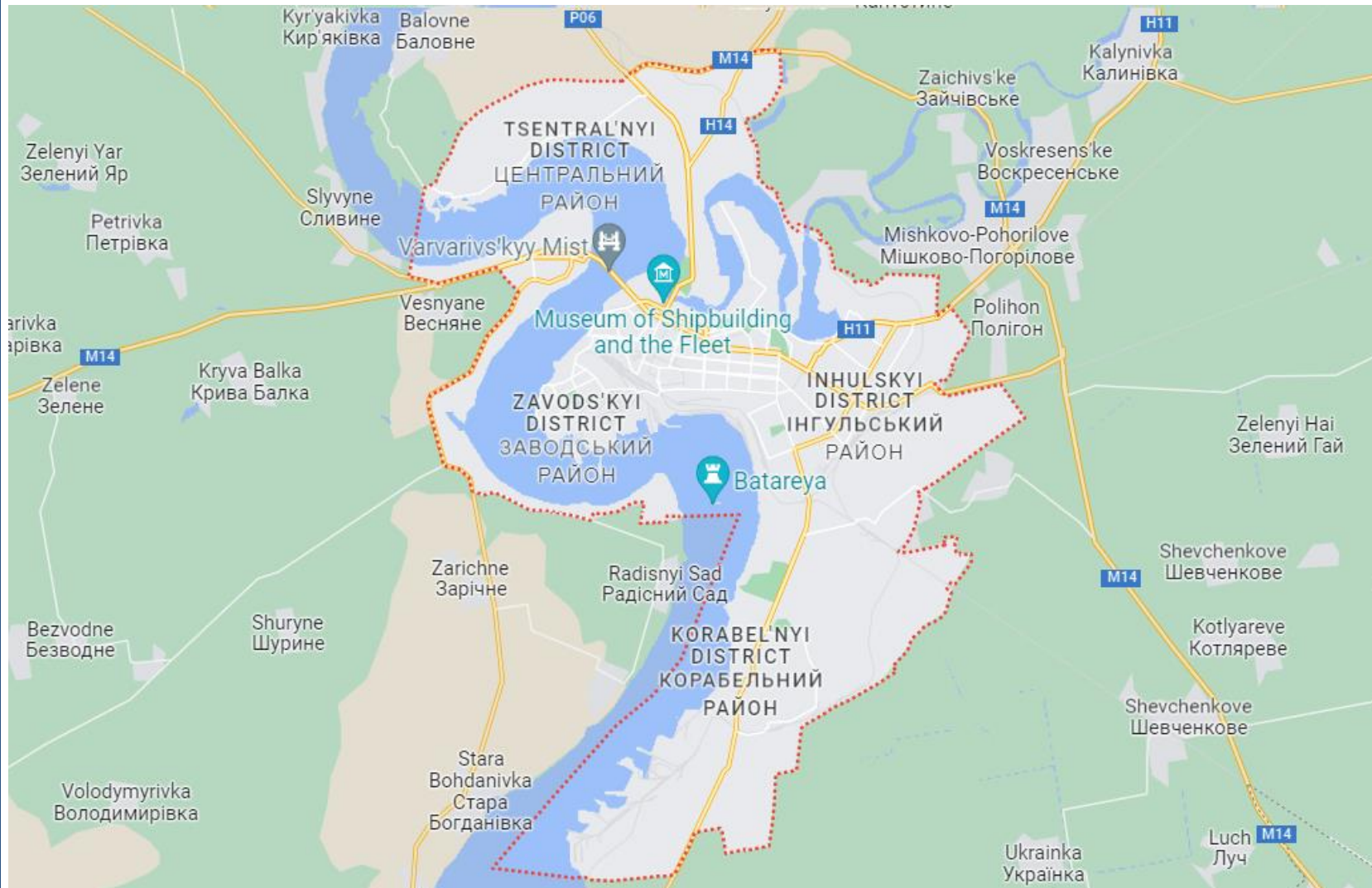
Warsaw, 2024

CITY OF MYKOLAIV



65 km from the Black Sea along the estuary of the Pivdennyi Buh River (where it meets the Inhul River).

Service Area of CME «Mykolayivvodokanal»



CME «Mykolayivvodokanal» (before the war)

- Established in **1906**
- Operational area – **City of Mykolayiv**
- Population – **486 300 inh.**
- Average water supply – **92 783 m³/day**
- Daily water consumption per capita – **120 l/day**
- Water losses (unpaid water) – **42%**
- Average daily wastewater flow – **55 964 m³**
- Total annual electricity consumption – **46 565 MWt/h/year**
- Annual electricity consumption for water supply – **26781 MWt/h/year**
- Annual electricity consumption for wastewater treatment and pumping – **17099 MWt/h/year**
- Capacity of the water intake is up to **280 000 m³/day**
- Number of water supply pumping stations – **32**
- Number of the wastewater pumping stations - **30**



**Water supply
network
1196 km**



**Wastewater
network
721 km**

The war brings the new challenges



and the challenges require new strategy...

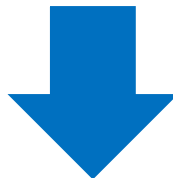
THE STRATEGY FORMS THE PROJECTS

The goal of the MVK's strategy is ensuring the safety and comfort of the city community with the promotion of increasing its competitiveness and the development of partnerships based on economically justified costs for the sustainable functioning of the city's water supply and drainage system.

Rethinking the company's development strategy in wartime conditions



The company's strategy follows with the strategic goals of the development of the Mykolaiv municipality



The new strategy is the base for the projects

THE MAIN AREAS OF THE PROJECTS

Increase of the energy efficiency and energy security of the water supply and wastewater infrastructure

Diversification of raw water sources

Restoration of the destroyed water supply and wastewater infrastructure

Quality of the drinking water

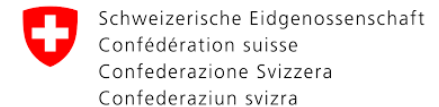
Holistic Approach

Implementation of innovations in technological processes and operational activities

Reduction of non-revenue water (NRW)

Modernization and restoration of the wastewater collection and treatment system

IFIs AND DONORS



MECHANISMS OF IMPLEMENTATION

Procurement of the Goods, Materials and Services

Donor Organization



MOU with MVK



Bidding Process



Procurement



Transfer of goods to MVK

Donor Organization



MOU with MVK



Bidding Process **by MVK**



Procurement **by the Donor**



Transfer of goods to MVK

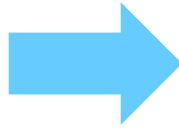
Direct payment to the Contractor

EXAMPLES OF THE PROJECTS



Second Urban Infrastructure Project (UIP-2) Contingency Emergency Response Component (CERC)

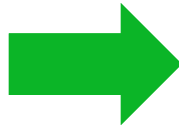
Multi-lateral agreement
on subvention



Direct procurement by MVK



Direct payment by the
WB to Contractors



Transfer of the goods from
Contractors to MVK

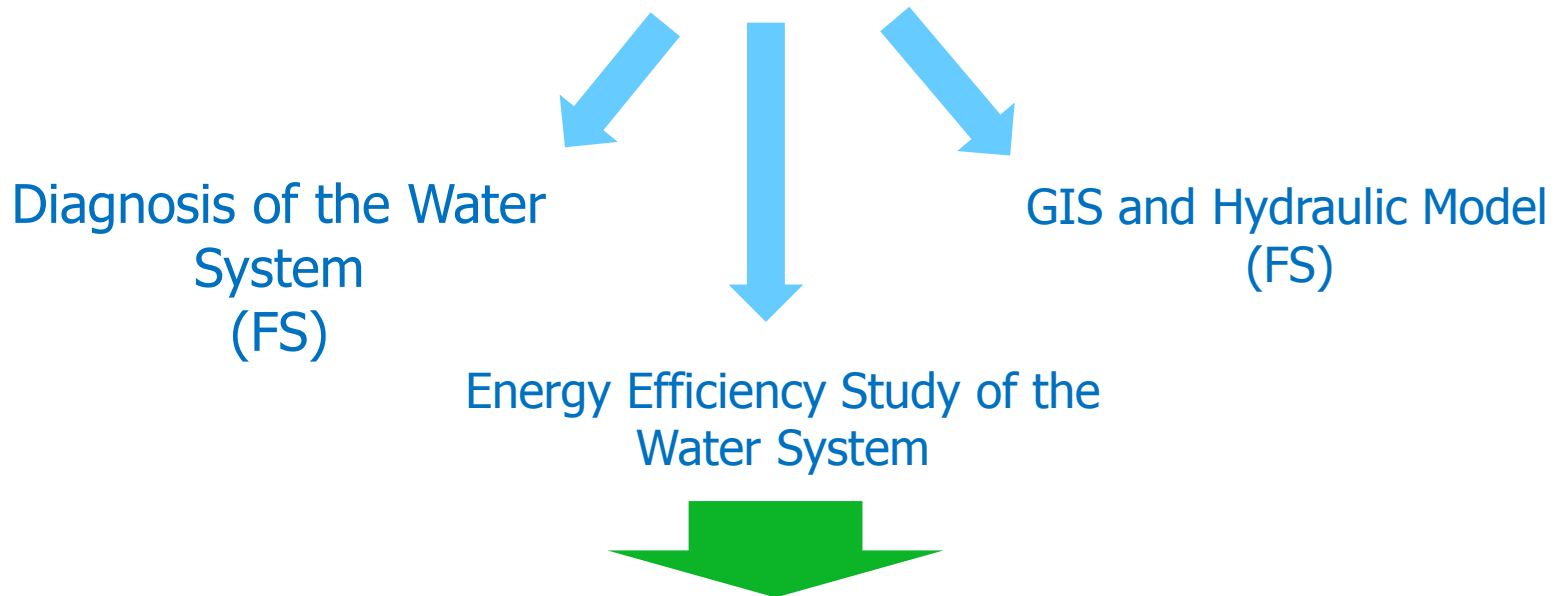


EXAMPLES OF THE PROJECTS



ICRC

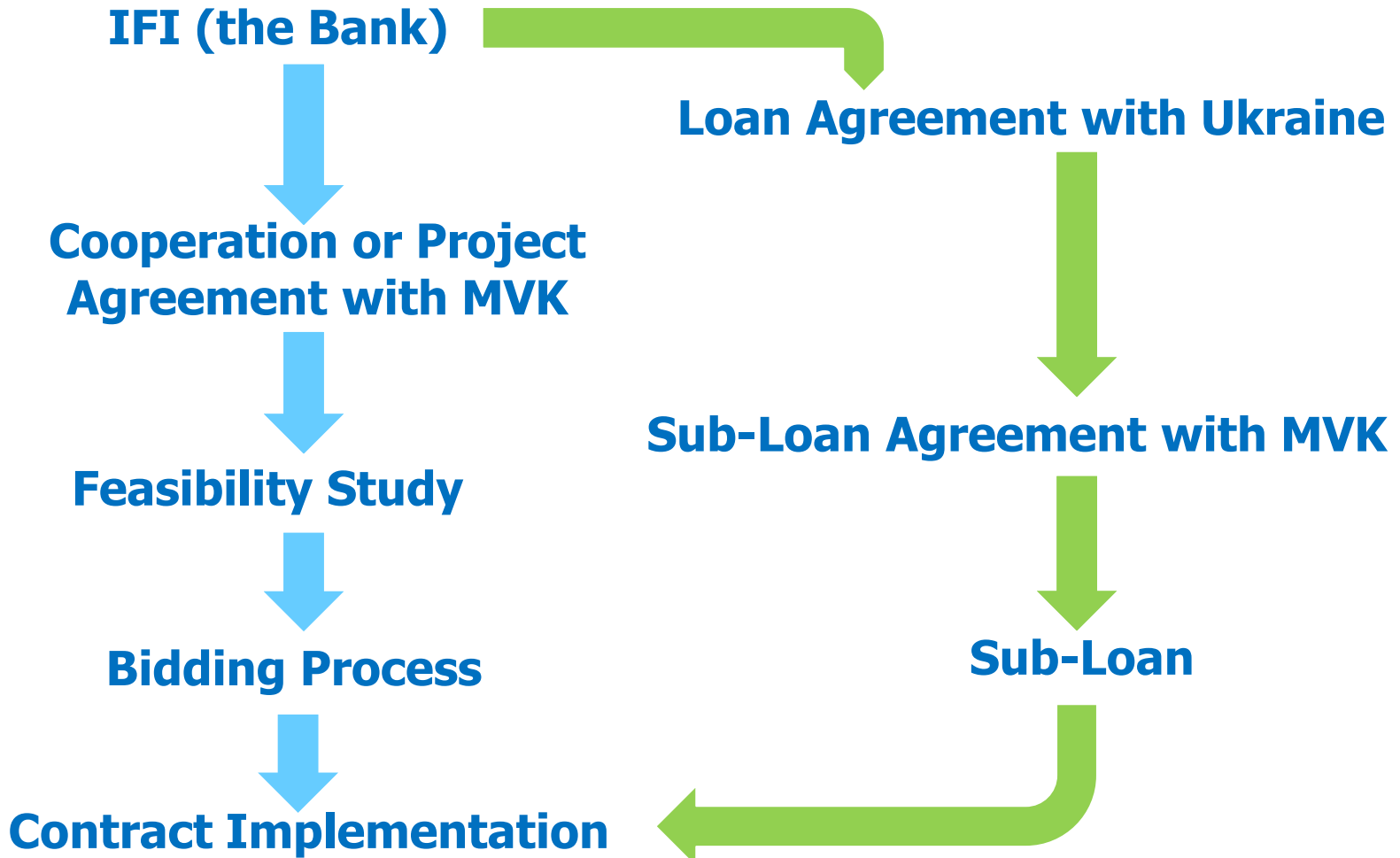
**Direct procurement and project supervision
by ICRC in cooperation with MVK**



Project's results transferred from ICRC to MVK

MECHANISMS OF IMPLEMENTATION

Loan Agreements



EXAMPLES OF THE PROJECTS

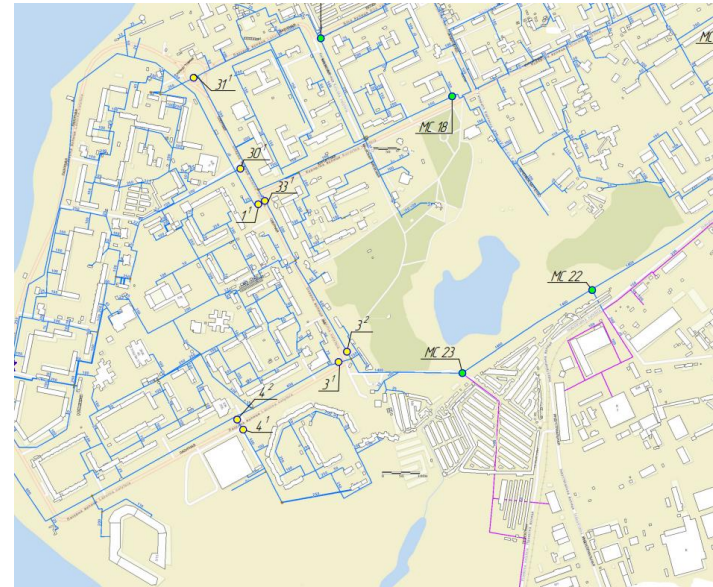


Development of the Water Supply and Wastewater System in the City of Mykolaiv

Rehabilitation of the WWTP
(ongoing)



Implementation of pilot
DMAs (ongoing)



Restoration of centralized drinking
water supply
(finalized FS)

Expected Outcomes and Impact

OUTCOMES

Increasing of reliability of the water supply and wastewater system

Achievement of the high standards of the quality of drinking water

Reduced pollution of Sothern Buh River by improved quality of water output from new WWTP

Energy-savings due to more efficient operations and technology upgrade

Protection of the environment of the Black Sea and Southern Buh River ecosystems

IMPACT

Primary



SDG 6 – Clean Water and Sanitation
SDG 3 – Good Health and Well-Being

Secondary



SDG 8 – Decent Work and Economic Growth
SDG 11 – Sustainable Cities and Communities
SDG 14 – Life Below Water
SDG 17 – Partnership for goals



Thank you for your attention!