ISCN Global Mixer
Creating Digital Urban Cadasters

From Data to Decisions: GIS as a Tool for Infrastructure Management and Urban Resilience

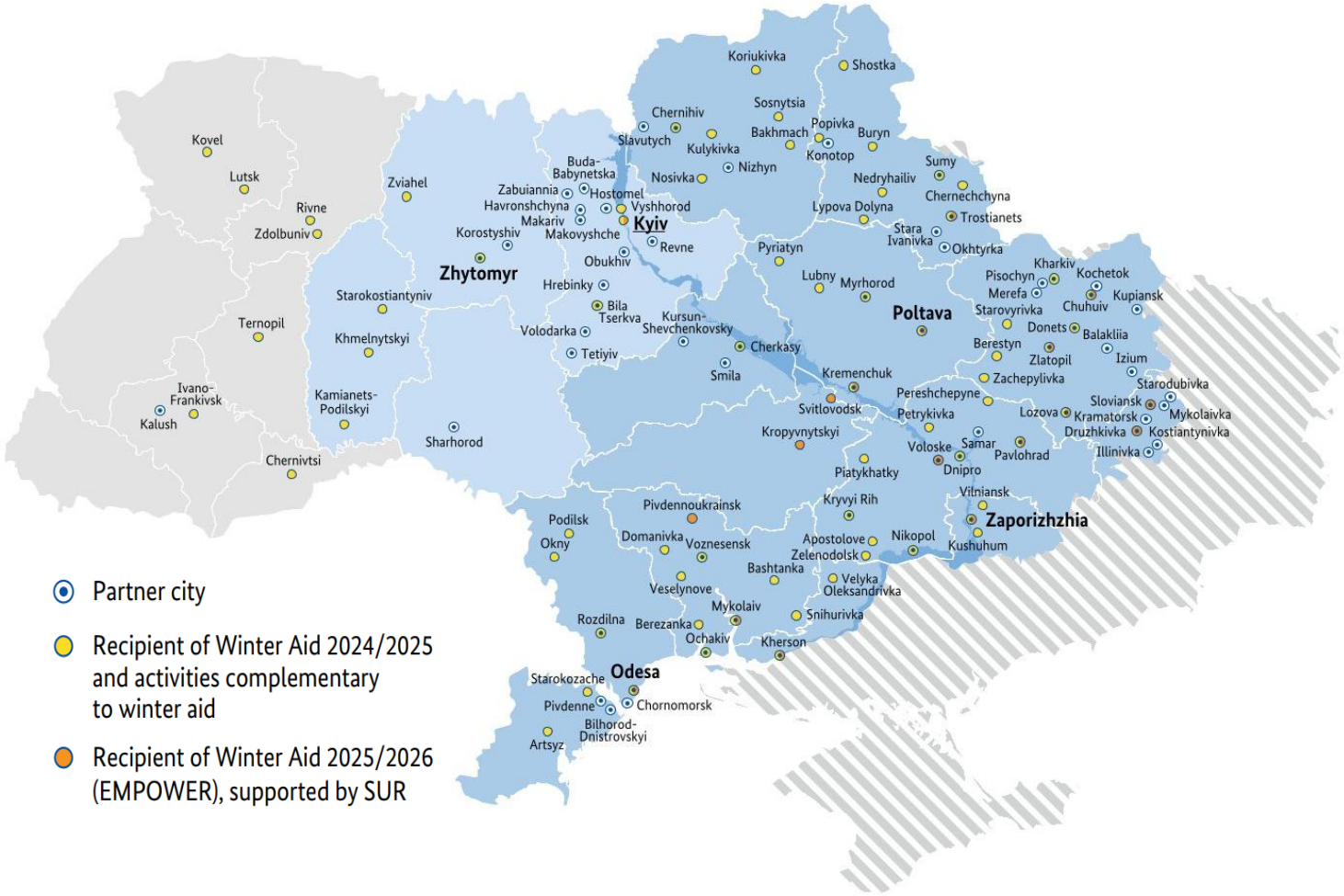
October 28, 2026

співпраця з німеччиною
DEUTSCHE ZUSAMMENARBEIT

Implemented by

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH

Strengthening of Urban Resilience in the Areas of Supply Infrastructure and Housing in Ukraine (SUR)



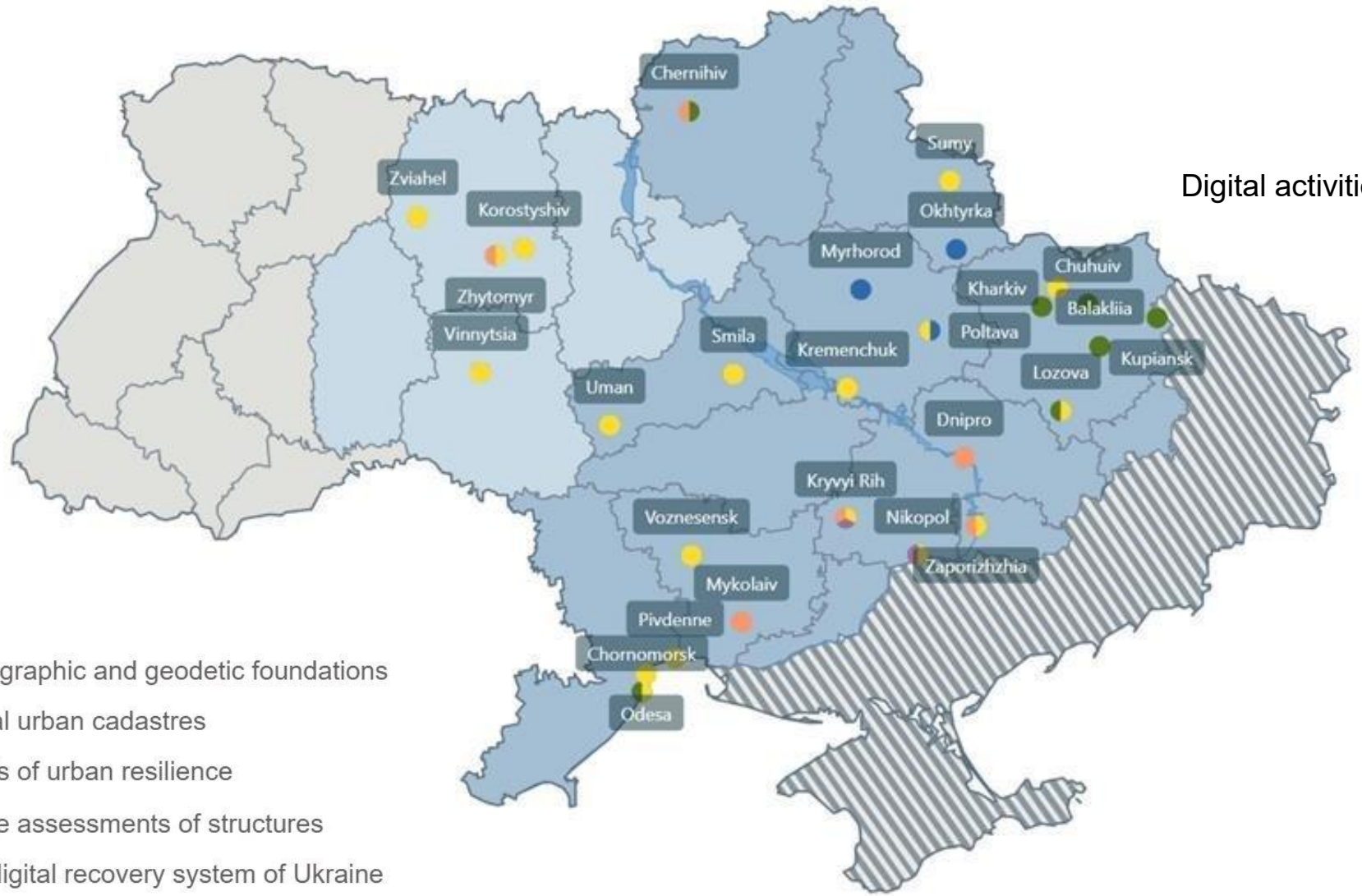
- Primary geographical focus
- Secondary geographical focus
- Temporarily occupied territories
- City Main office
- City Regional office
- Partner city
- Recipient of Winter Aid 2024/2025 and activities complementary to winter aid
- Recipient of Winter Aid 2025/2026 (EMPOWER), supported by SUR

Intervention Areas:

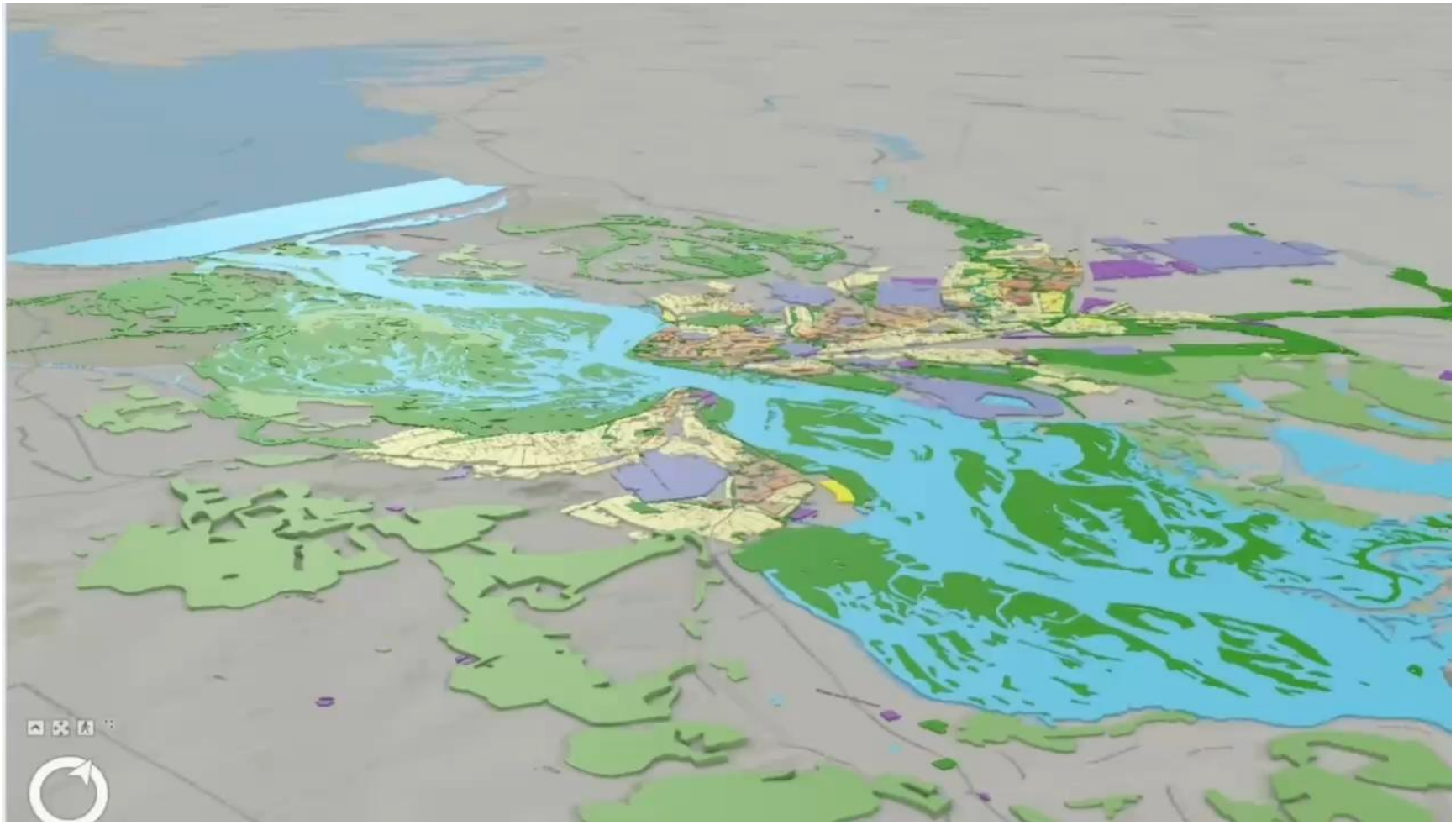
- Supply Infrastructure
- Housing
- Disaster Risk Management
- Urban Resilience

Strengthening of Urban Resilience in the Areas of Supply Infrastructure and Housing in Ukraine (SUR)

Digital activities of SUR project



Urban planning cadastre – a mandatory tool

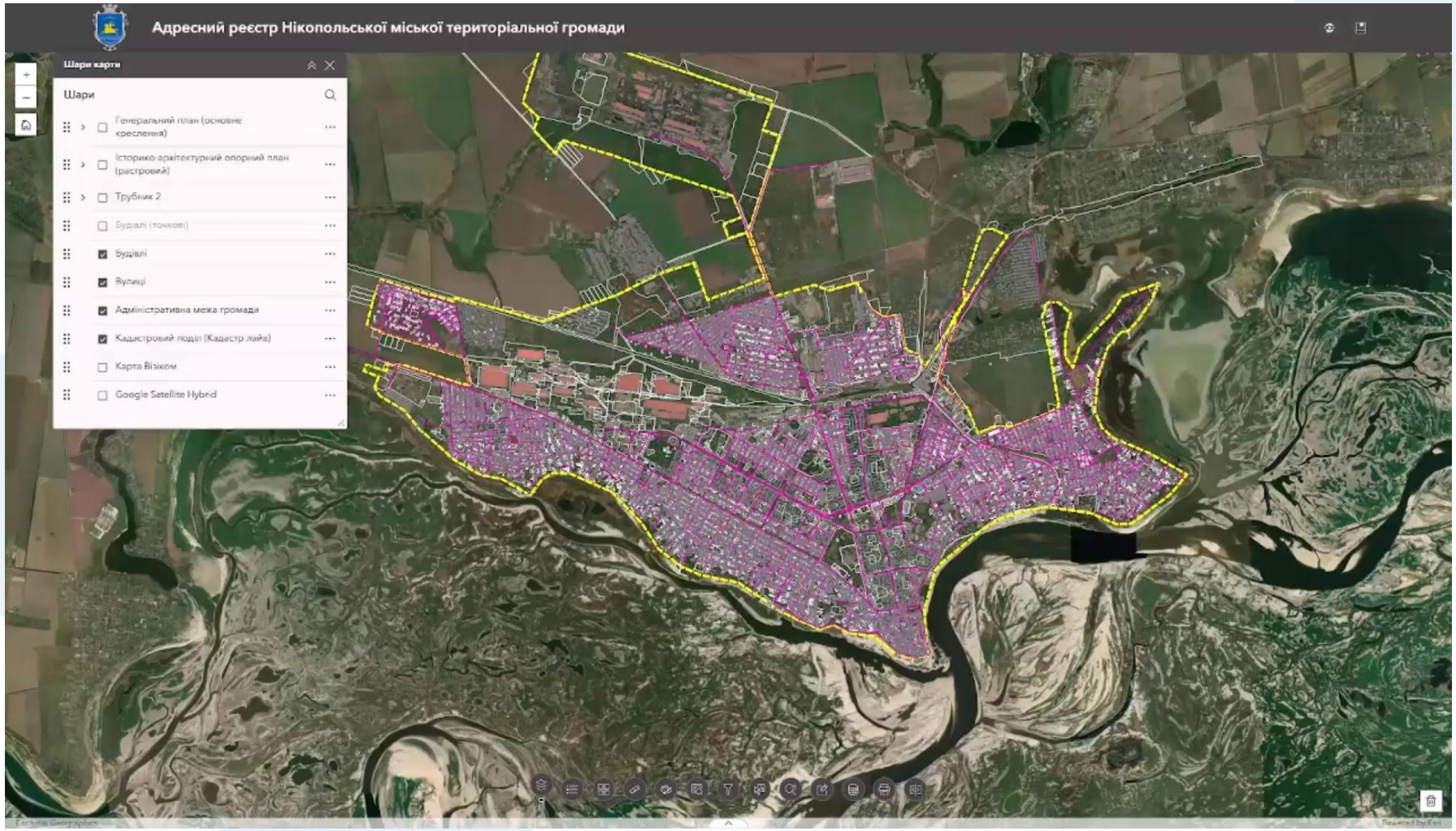


Provided by LLC_ECOMM Co _ Kremenchuk city council

In Ukraine, the urban planning cadastre operates at three levels: national, regional, and local.

The minimum requirement for a local-level urban planning cadastre is to store and display the city's master plan and other urban planning documentation of the territorial community.

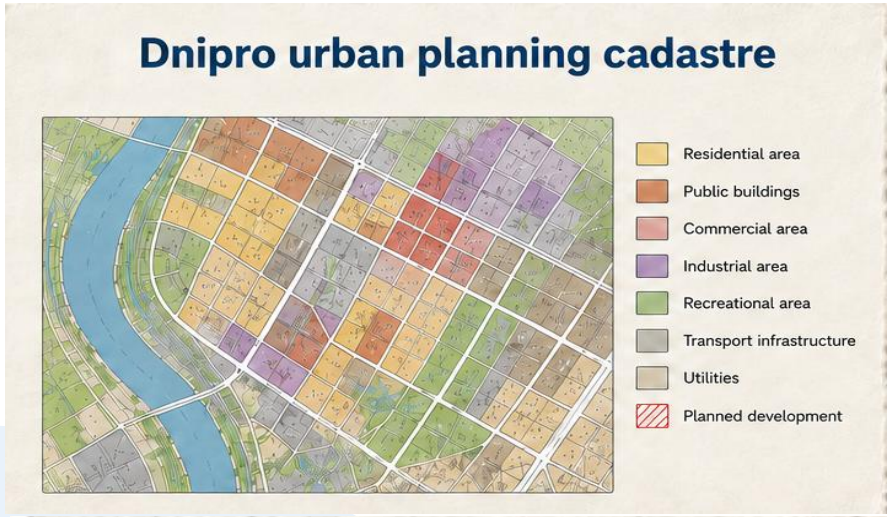
Address register -

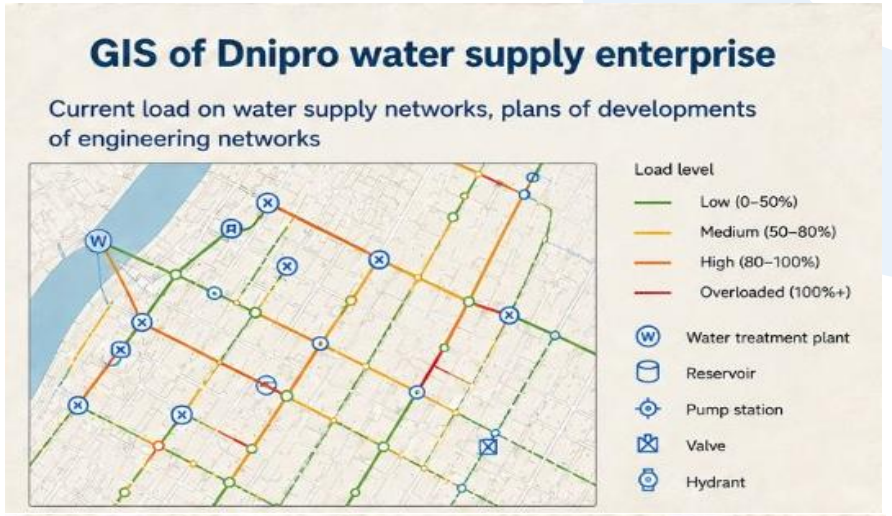


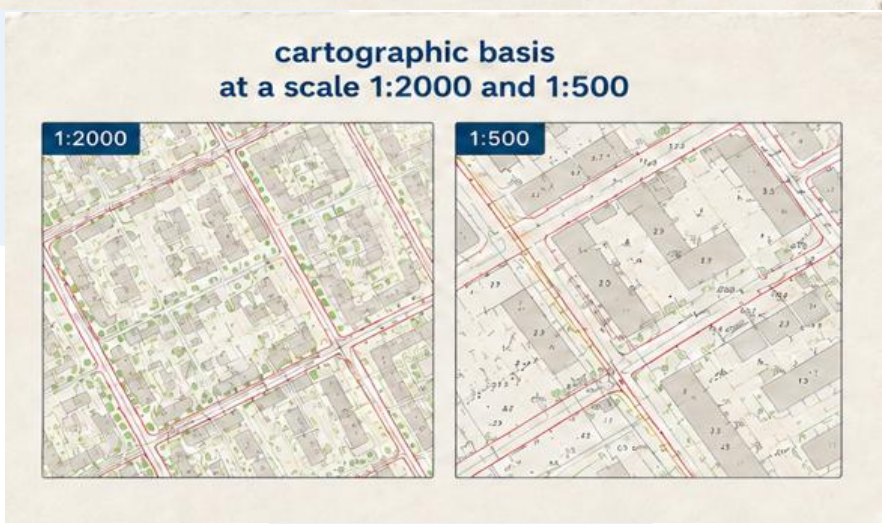
Provided by LLC_MagneticOne Municipal Technologies _ Nikopol city council

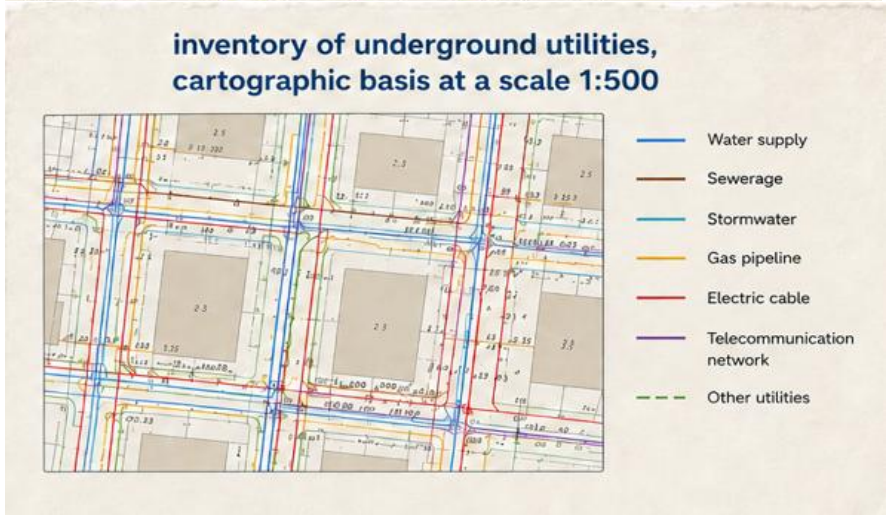
An address database in which each street, and building has a unique identifier

Dnipro water supply enterprise: issue raised



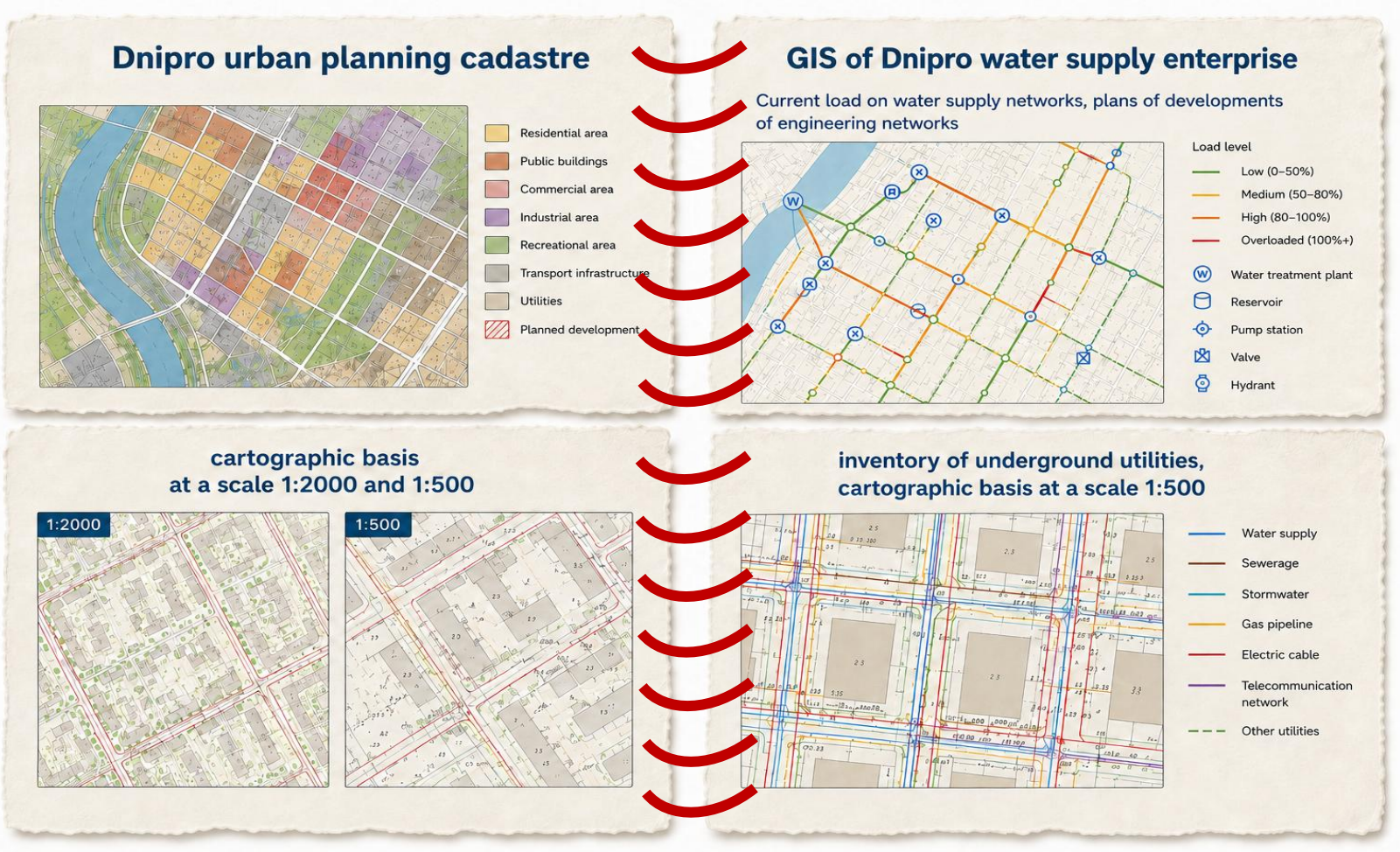






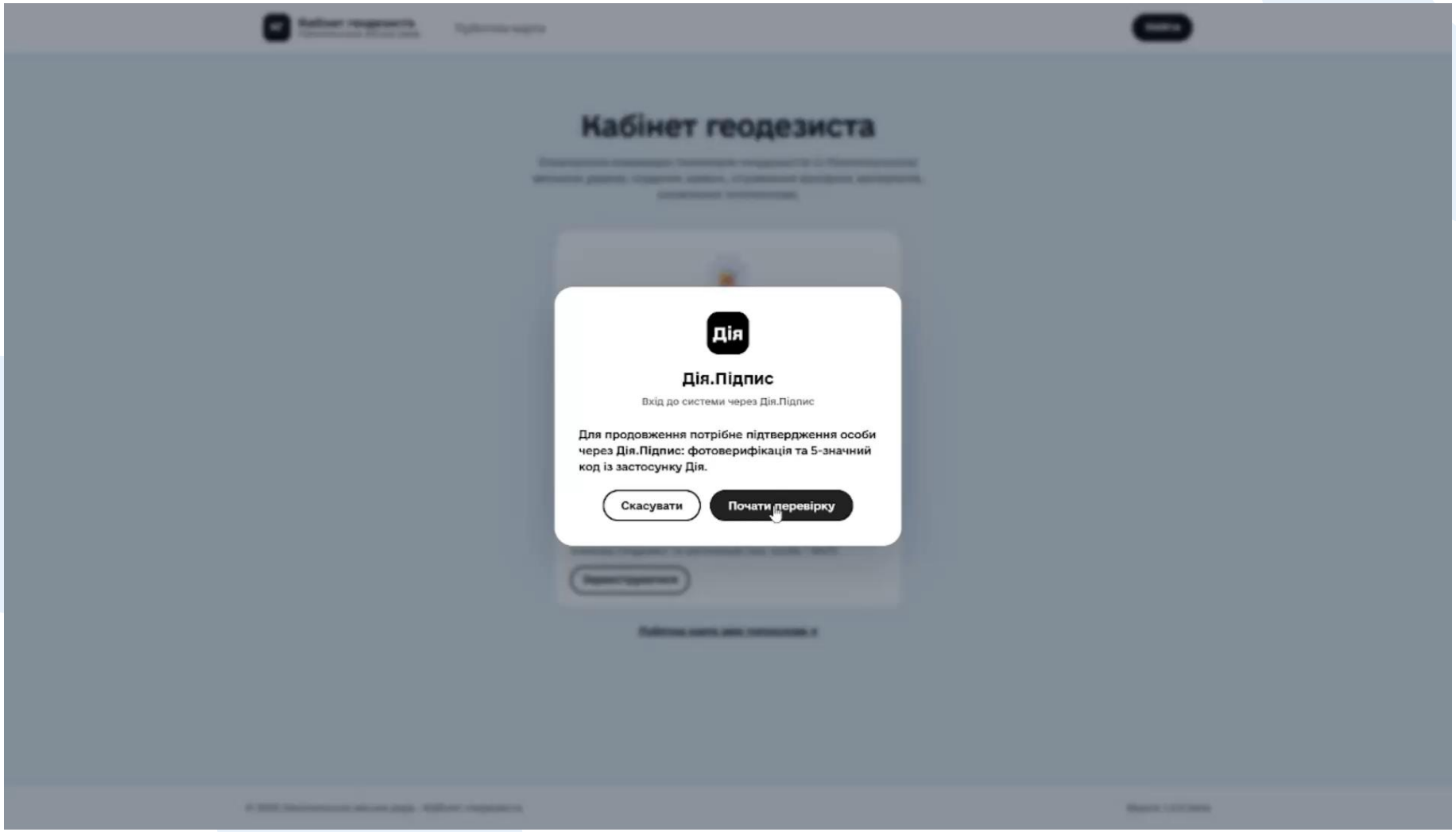
The Dnipro City Council and the municipal water supply enterprise did not have access to each other's data.

Dnipro water supply enterprise: what SUR suggested to address the issue



The Dnipro City Council and the municipal water utility received an integrated geographic information system (GIS), which gave them access to each other's data.

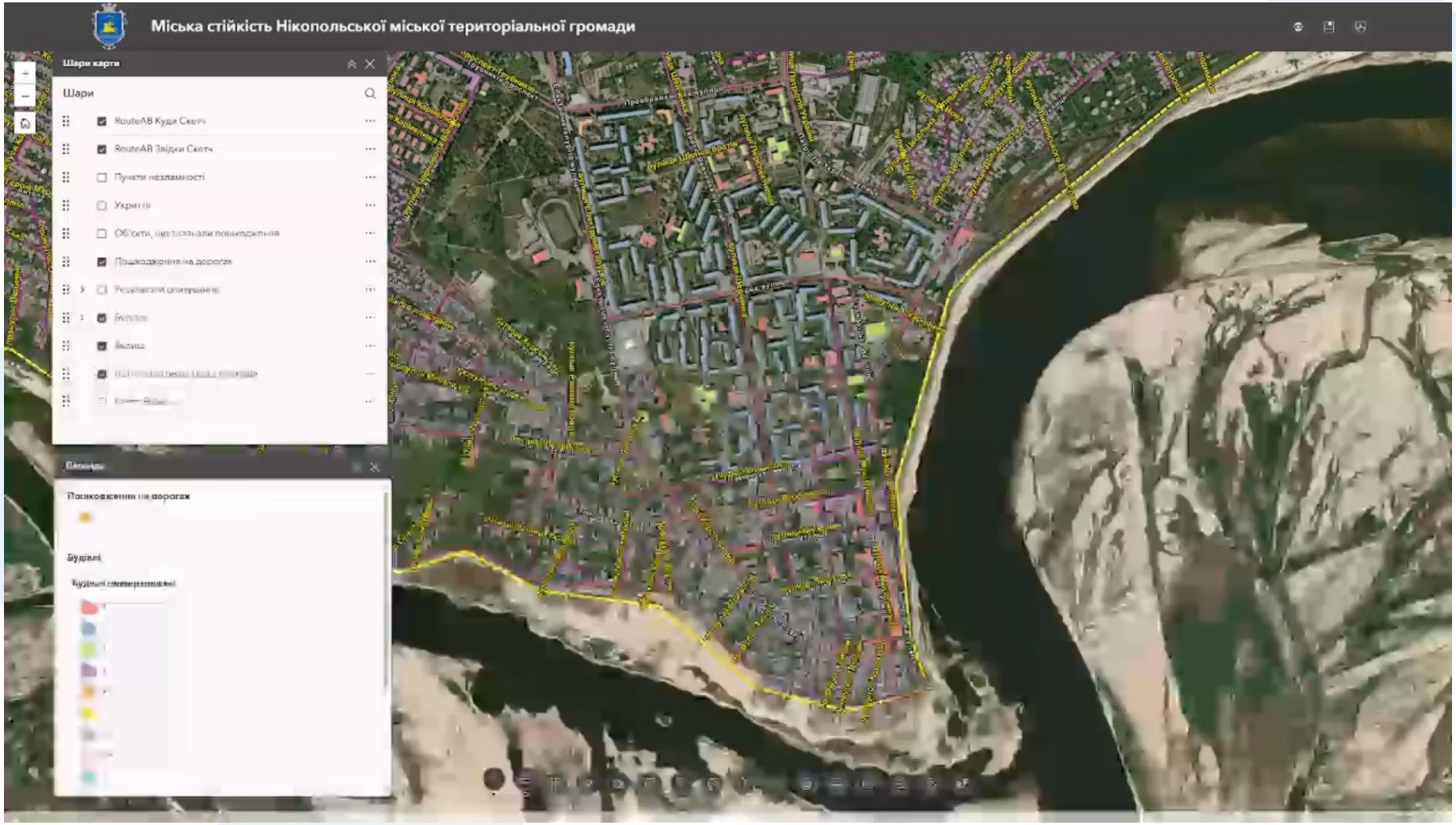
Surveyor’s GIS Office



The most frequently requested information shared between the city council, municipal water and district heating utilities, and surveyors includes cartographic materials and the results of geodetic surveys.

Provided by LLC_ MagneticOne Municipal Technologies _ Nikopol city council

Modelling road blockages and alternative routes



This application is designed to help the city council and its services coordinate their response to emergencies involving damage to or the destruction of buildings and roads.

Provided by LLC_ MagneticOne Municipal Technologies _ Nikopol city council

Digital analysis of urban resilience



Provided by LLC_ MagneticOne Municipal Technologies _ Nikopol city council

This application aims to provide up-to-date information about the city, identify the most vulnerable areas of urban life, and compare this data with aggregated results of surveys of city residents.

Contact

Deutsche Gesellschaft für
Internationale Zusammenarbeit (GIZ) GmbH

Registered offices: Bonn and Eschborn

Strengthening of Urban Resilience
in the Areas of Supply Infrastructure and Housing (SUR)
Bulvarno-Kudriavska St, 24
01601 Kyiv, Ukraine

sur@giz.de
www.giz.de/ukraine

giz Deutsche Gesellschaft für Internationale Zusammenarbeit (GIZ) GmbH