



Ukraine

S..U..M..y



# Reconstruction of municipal wastewater treatment plants in Sumy

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## THE PROJECT ENVISAGES

reconstruction of the municipal  
sewage treatment plant with  
a capacity of **60.000 m<sup>3</sup>/day**,  
including the initial stage of  
construction with a capacity  
of **30.000 m<sup>3</sup>/day**

Location:  
Sumy region,  
Sumy.

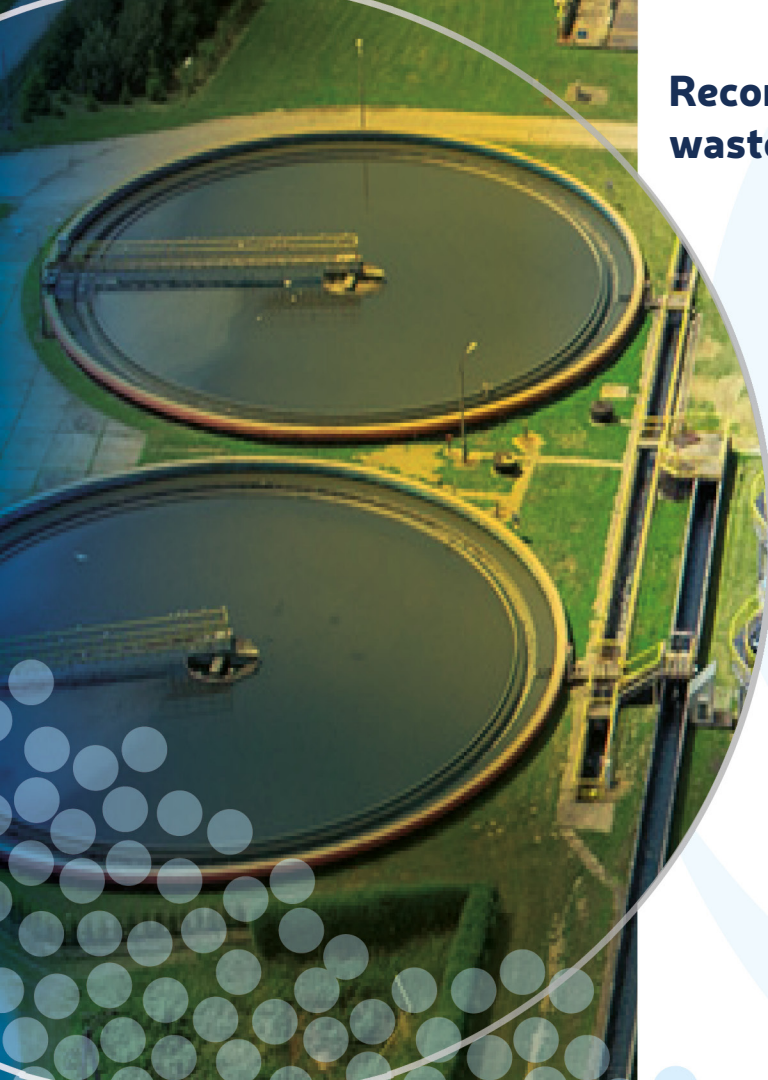


# Reconstruction of municipal wastewater treatment plants in Sumy



## PROJECT GOALS

- » Improving the quality of wastewater treatment to international standards
- » Improving the environmental safety of the facility by preventing the discharge of untreated wastewater into the Psel River
- » Improving the energy efficiency of the facility



## Reconstruction of municipal wastewater treatment plants in Sumy



**ESTIMATED COST  
OF THE PROJECT**

**35.4 million euros**

# Reconstruction of municipal wastewater treatment plants in Sumy



## Model financing I:



**45%**  
credit funds

**15.93**  
million euros

**5%**  
community budget funds

**1.77**  
million euros



**50%** grant funds  
**17.7** million euros

# Reconstruction of municipal wastewater treatment plants in Sumy



## Model financing II:



**30%**  
grant  
funds

**70%**  
credit  
funds

**10.62**  
million euros

**35.4**  
million  
euros

**24.78**  
million euros





## Reconstruction of municipal wastewater treatment plants in Sumy



### ENVIRONMENTAL RESULTS

- » Improving the quality of wastewater treatment
- » Reduction of **CO<sub>2</sub>** emissions — **507 tons** per year
- » Restoration and **conservation** of the ecosystem of the **Psel River** as part of the **Middle Dnipro** sub-basin

## Reconstruction of municipal wastewater treatment plants in Sumy



### ECONOMIC RESULTS

- » Reduced electricity consumption by 15%, saving **1.179 MWh** per year
- » Reduced costs of operation and maintenance of key process units and equipment by **35.000 euros** per year





## Reconstruction of municipal wastewater treatment plants in Sumy



## SOCIAL RESULTS

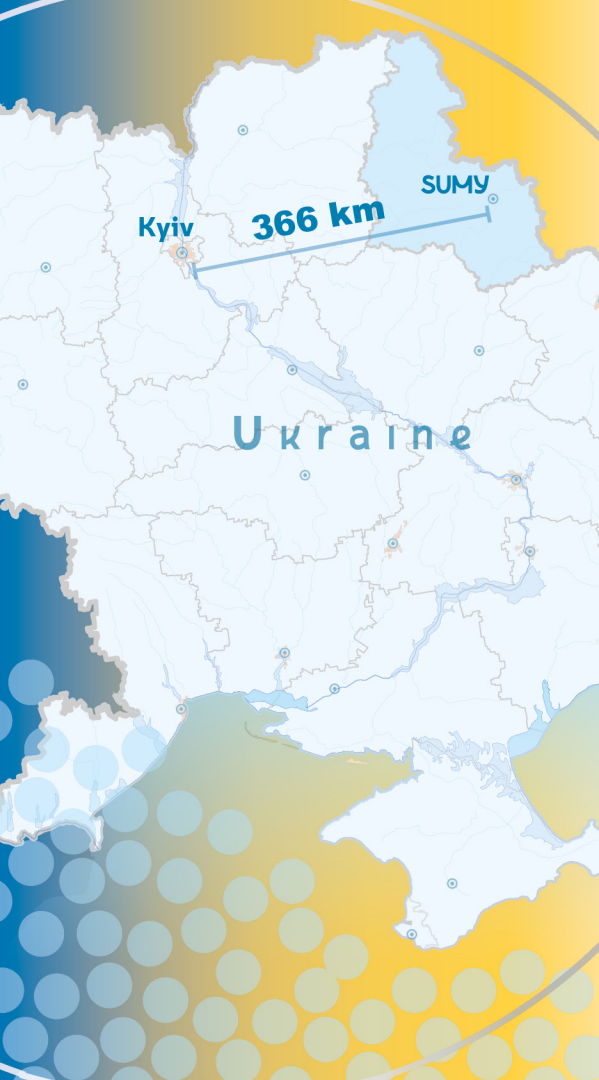
- » Improving the quality and sustainability of wastewater collection and **treatment services** for the population of Sumy city territorial community (**265,423 people**)
- » Connecting new subscribers from neighboring communities

# Reconstruction of municipal wastewater treatment plants in Sumy



## PROJECT DETAILS

INDICATOR	BEFORE RECONSTRUCTION	AFTER RECONSTRUCTION
Land plot built-up area, m <sup>2</sup>	21 697	22 744
Number of technological treatment lines	4	2
Capacity, m <sup>3</sup> /day	135 000	60 000
Initial phase		30 000
Second phase		30 000



# Reconstruction of municipal wastewater treatment plants in Sumy



## PROJECT DETAILS

### WHAT HAVE THE INITIATORS ALREADY DONE?

- » Design and estimate documentation for the facility was developed
- » A positive expert report was received on the review of project documentation for the construction of the facility
- » In 2020, the project passed the environmental impact assessment procedure

## Experience of the city in cooperation with international organizations

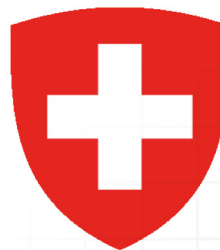


**European  
Investment  
Bank**

*The EIB bank*

**giz**

Deutsche Gesellschaft  
für Internationale  
Zusammenarbeit (GIZ) GmbH



**State Secretariat  
for Economic  
Affairs SECO**

**NEFCO**



**Covenant of Mayors  
for Climate & Energy**



**EU4Energy**

# MORE PROJECTS AT THE STANDS



**€ 8 051 435**

Industrial Park "Sumy"



**€ 4 029 766**

Reconstruction of the building of the municipal institution Sumy Specialized School of I-III degrees No.17 with the implementation of comprehensive thermal modernization measures



**€ 1 292 446**

Installation of solar power plants at the water intakes of the Municipal Enterprise "Miskvodokanal" of the City Council



**€ 6 040 398**

Construction of a solar power plant in Sumy for the needs of Municipal Enterprise "Electroavtotrans" of the Sumy City Council



**€ 1 728 330**

Overhaul (thermal modernization) of the building of the Municipal Enterprise "Central City Clinical Hospital" of the City Council



**€ 753 337**

Reconstruction and thermal modernization of the building of the Pishchanka House of Culture

# MORE PROJECTS AT THE STANDS



**€ 3 532 009**

Reconstruction of the Luchanskyi overpass in the city of Sumy



**€ 263 523**

Pryshybskyi water intake in Sumy



**€ 5 769 512**

Renewal of the rolling stock of electric transport of the Sumy city territorial community



**€ 8 543 046**

Development of the centralized water supply system of Sumy city territorial community



**€ 809 956**

Installation of solar power plants at the treatment facilities of the Municipal Enterprise "Miskvodokanal" of the Sumy City Council



**€ 8 900 000**

Renovation of the electric transport infrastructure of the Sumy city territorial community



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