

Project Name	Construction of Biogas Production and Cogeneration Facilities in Lviv, Ukraine
Start – End	January 2021 – June 2027
Project Value	40.000.000,00 EUR
Slovenian Funding	3.500.000,00 EUR
Recipient Country/ Donation Recipient	Ukraine/Public Utility Company Lvivvodokanal
Project Contractor	Riko d.o.o. Ljubljana
CRS CODE	CRS CODE 23270
Project Description	<p>In the city of Lviv and the wider region, residents face serious challenges in water supply and wastewater management. The public utility company Lvivvodokanal operates treatment plants with a capacity of 490,000 m³ per day, but the existing systems do not meet modern EU environmental and technical standards. Significant losses of drinking water due to the outdated network, inefficient wastewater treatment, and the discharge of untreated sludge cause pollution of the Poltava River, which affects the entire ecosystem of the Baltic Sea basin. This has long-term consequences for public health (718,000 inhabitants in Lviv and several tens of thousands more in surrounding towns), groundwater quality, and the environment. The inadequate system also leads to high costs and energy inefficiency, threatening the financial stability of the public utility and reducing access to safe sanitation services. If the problem is not addressed, environmental and public health risks will increase further, and the living conditions of more than one million people will deteriorate.</p> <p>The construction of a facility for sludge pasteurization and biogas-based cogeneration in Lviv offers a comprehensive solution to this problem. The new infrastructure will enable the thermal treatment of up to 120 tons of sludge per day, reduce its volume by 30%, and generate more than 5,500 MWh of electricity annually from biogas. This will reduce dependence on fossil fuels and cut CO₂ emissions by approximately 25,000 tons per year. The project will improve sanitary conditions and access to safe infrastructure for around one million residents of the region, while also creating at least 25 new jobs. In the long term, the infrastructure will remain in public ownership, ensuring its sustainable management, while local specialists will be trained to maintain and operate the system. The project thus combines environmental, economic, and social benefits and contributes to the sustainable development of Lviv.</p>
Project Phase	The project is being implemented.