



UZHGOROD CITY TERRITORIAL COMMUNITY

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SUMMARY OF UZHHOROD CITY TERRITORIAL COMMUNITY

Uzhhorod – the center of the Transcarpathian region, westernmost regional center of Ukraine

Population – 117 600 people

City area – 40 square kilometers

Internally displaced persons – 40 000 people

Distance to the nearest European capitals:

Budapest -300 km

Bratislava - 490 km

Vienna - 555 km

Warsaw - 550 km

Bucharest -780 km

Prague - 720 km

Zagreb - 670 km

Belgrade - 585 km



UZHHOROD CITY TERRITORIAL COMMUNITY





PROJECT #1

BUDGET – 20 000 000 MILLION EURO

CONSTRUCTION OF A NEW LINE OF SEWAGE TREATMENT
PLANTS WITH A CAPACITY OF 50 THOUSAND CUBIC METERS
PER DAY IN UZHHOROD CITY



The Initial Problem Hindering Investments

Wastewater treatment facilities were built in 1975 and are critically depreciated — up to 95%.

Actual capacity is ~ 50,000 m³/day, while the real load exceeds 100,000 m³/day.

This means the system is operating “at the edge” and may collapse at any time, causing a complete halt of wastewater services for the city and businesses.

Key issue: new enterprises and industrial facilities cannot be connected. Outdated treatment plants act as a systemic barrier for Uzhhorod’s economic growth.



CONSTRUCTION OF A NEW LINE OF SEWAGE TREATMENT PLANTS

MAIN RESULTS OF THE INVESTIGATIONS, PRESENTED IN THE INITIAL REPORT



Technical and environmental:

The available area for construction is limited and has insufficient space, due to which: The location of new wastewater treatment plants is planned at the site of existing sludge treatment facilities.

Existing sludge sites are subject to dismantling, accumulated sludge – to disposal, which will result in the formation of unpleasant odors and landfill leachate.

A plan for sludge disposal measures is necessary.

Partially, the structures of existing wastewater treatment plants, in particular, the building of the aeration station, will be used in the new technological line. The sanitary protection zone is narrowed – some areas of residential development are located less than 200 m from existing wastewater treatment facilities. The development of an environmental impact assessment is necessary.





FOUNDATION FOR THE “UZHHOROD” INDUSTRIAL PARK

A dedicated industrial zone of over 10 hectares is already in place.

Potential: at least 30 new enterprises (light industry, machinery, logistics, agro-processing).

Estimated private investment: €60–90 million.

However, without a modern wastewater line, the park’s development is effectively “frozen.” Investors are unwilling to commit without reliable infrastructure.

Multiplication Economic Effect

Total project cost: €20–25 million.

Unlocks 3–4 times larger private capital inflows.

Direct impact: over 500 new jobs, ~€5 million in annual municipal budget revenues.

Indirect impact: growth in construction, logistics, energy, and service sectors.





CONCLUSIONS AND PROPOSALS FOR FURTHER STEPS

Overestimated capacity of treatment facilities, which leads to increased capital costs

Low load of pollutants, due to which there is a risk of the ineffectiveness of biological treatment technology and non-compliance with environmental requirements

Pumping and treatment of 50-60% of additional volume of wastewater of natural origin, which leads to high operational costs

Compensation for high operational costs is carried out at the expense of service consumers

Necessary measures include establishing sources of excess wastewater costs with subsequent implementation of effective measures aimed at preventing the inflow of wastewater into the networks.



CONSTRUCTION OF A NEW LINE OF SEWAGE TREATMENT PLANTS



INVESTMENT ATTRACTIVENESS AND MODEL

- Stable demand: 115,000 residents and businesses guarantee constant system usage.

- Implementation format: public-private partnership or concession minimizes risks for the community while enabling private capital inflows.

- Financial model: revenues generated from wastewater tariffs, industrial zone servicing, and new enterprise connections.

- Transparency and accountability: involvement of international institutions (EBRD) ensures investor trust, financial discipline, and technical oversight.



PROJECT # 2

BUDGET – 50 000 000 MILLION EURO

**CONSTRUCTION OF A WASTE PROCESSING PLANT IN THE
VILLAGE OF BARVINOK, UZHHOROD DISTRICT**

WASTE PROCESSING PLANT

The first waste recycling plant of this type in the Transcarpathian region

THE MAIN GOAL OF THE PROJECT:

- Reduction of waste disposal volumes;
- Increase in the level of reuse and recycling;
- Development of a separate waste collection system;
- Implementation of circular economy principles;
- Safe management of hazardous waste

Design capacity — 300,000 tons of waste per year



WASTE PROCESSING PLANT

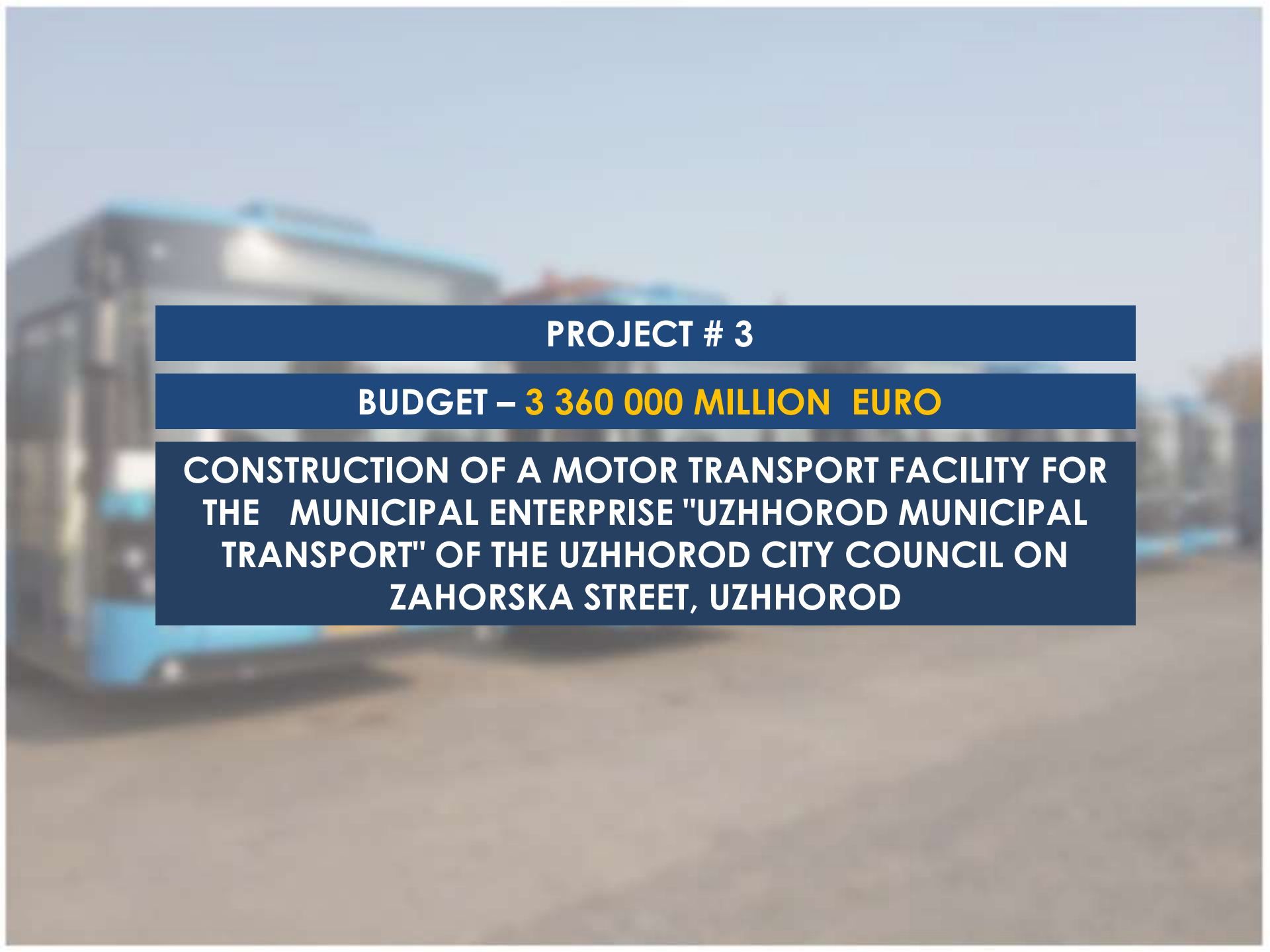
The main technological solutions to be applied at this waste processing plant will involve the use of several treatment technologies simultaneously.

In particular, the project provides for the **processing of organic (food) waste** with subsequent **production of synthesis gas**, as well as **advanced waste sorting** aimed at recovering **valuable materials such as scrap metal, glass, and plastic**.

As part of this project, it is planned to design and construct a solid municipal waste management infrastructure facility, in particular:

- a **sorting and processing complex**, which includes **mechanical and biological waste treatment facilities** or a **thermal waste disposal facility**;
- a **regional waste disposal (landfill) site**;
- **sorting and transfer stations**;
- **transfer stations**;
- **stationary or mobile sorting stations/lines**.





PROJECT # 3

BUDGET – 3 360 000 MILLION EURO

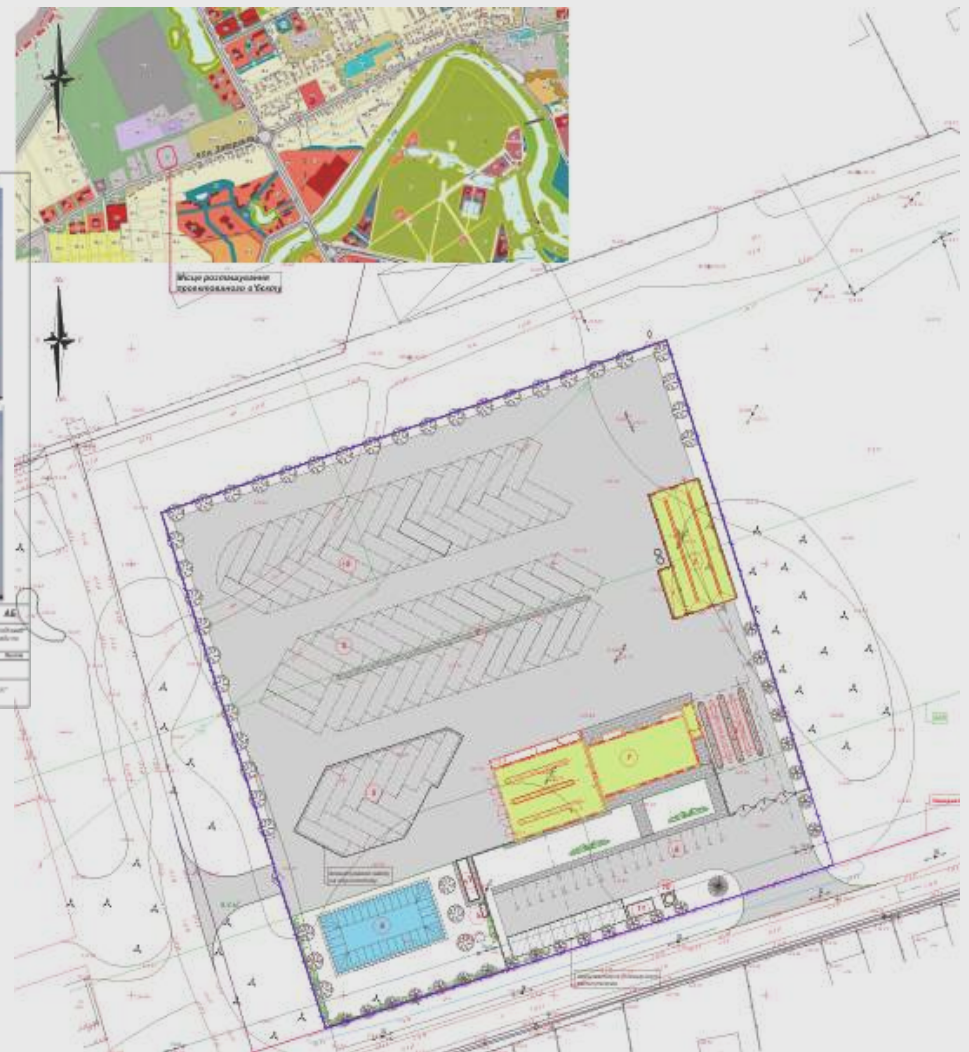
**CONSTRUCTION OF A MOTOR TRANSPORT FACILITY FOR
THE MUNICIPAL ENTERPRISE "UZHHOROD MUNICIPAL
TRANSPORT" OF THE UZHHOROD CITY COUNCIL ON
ZAHORSKA STREET, UZHHOROD**

MOTOR TRANSPORT FACILITY

The project envisions the construction of a modern motor transport facility for the Municipal Enterprise "Uzhhorod Municipal Transport."



Land area – 1.6 ha
 Building area – 1,437.2 m², including:
 Administrative and utility building – 332.9 m²
 Bus maintenance facility – 447.5 m²
 Washing station – 409.2 m²
 Checkpoint (security post) – 247.6 m²



MOTOR TRANSPORT FACILITY

Construction of the facility has already begun — as of today, the foundation for the administrative building has been completed.



The facility will include garages for bus storage, maintenance and repair workshops, administrative and utility premises, a car wash, and infrastructure for charging electric buses.

This base will make it possible to centralize maintenance operations, reduce operating costs, and improve the quality of transportation services.



UZHGOROD CITY TERRITORIAL COMMUNITY

THANK YOU FOR YOUR ATTENTION

PROJECTS

1) Construction of a new line of sewage treatment plants with a capacity of 50 thousand cubic meters per day in Uzhhorod City – 20 000 000 euro

2) Construction of a waste processing plant in the village of Barvinok, Uzhhorod district – 50 000 000 euro

3) Construction of a motor transport facility for the municipal enterprise "Uzhhorod Municipal Transport" of the Uzhhorod City Council On Zahorska Street, Uzhhorod – 3 360 000 euro

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