

## Project to provide drinking water in Mariupol

Project description	
Project initiator	Mariupol City Council
The essence of the project	The project includes creation of a modern complex for water treatment and disinfection in Mariupol in order to provide the population and enterprises with high-quality drinking water in the necessary volumes, as well as the modernization of the existing system of centralized water supply and drainage to reduce the loss of drinking water and discharge of waste water into the environment, the creation of backup sources of water supply of the city in case of emergencies using modern technologies
Project goal	Improving the quality of drinking water and reducing its losses in the Mariupol city
Compliance with strategic documents and assignation of priorities	<p>The project goals correspond to:</p> <ul style="list-style-type: none"> <li>- Sustainable Development Goals of Ukraine for the period up to 2030 (paragraphs 8,9), approved by decree of the president of Ukraine "on Sustainable Development Goals of Ukraine for the period up to 2030" dated September 30, 2019 No. 722/2019.</li> <li>- Task 3.2.2. "Provision of water supply and sanitation services" operational purpose 3.2. "Equal access of the population to basic social, administrative and communal services" Strategic Goal 3 "Effective Management and security in the face of external and internal challenges" development strategy of the Donetsk region for the period up to 2027.</li> </ul>
Study of the problem that will be solved as part of the project implementation	<p>Currently Mariupol is home to more than 500 thousand residents of the city and temporarily displaced persons. The existing water supply system of Mariupol was designed and built in the 50-60 years of the last century and provides for the main water supply from the Siverskyi Donets – Donbas canal. The 133.4 km long canal was built in 1958 and is already quite worn down. Water losses in the canal are 40-60%. The fact that a significant part of the water pipeline is located on temporarily uncontrolled territory has contributed to significant interruptions or lack of water supply from this channel over the past 4 years. The Starokrymske reservoir is a backup source of water supply. But its water reserves are insufficient to fully meet the needs of the city, and water quality indicators do not meet state sanitary standards and regulations and exceed the permissible indicators by 3-4 times. The lack of stable water supply from the Siverskyi Donets – Donbas canal and the use of water from the Starokrymsky reservoir leads to the fact that residents of the city receive low-quality, non-DSTU water, the price of which significantly exceeds the average Ukrainian indicators.</p> <p>To ensure the solution of existing problems and the transformation of Mariupol into a modern European city that is dynamically developing and comfortable to live in, the City Development Strategy "Mariupol 2021" was developed and approved. One of the key priorities of the strategy is to solve the issue of high-quality water supply to the city. As part of the search for ways to resolve this issue, the Mariupol City Council carried out a large amount of work in 2016-2018, namely::</p> <ul style="list-style-type: none"> <li>* best international practices for solving urban water supply issues have been analysed;</li> <li>* analysis of existing modern technologies for water treatment have been carried out;</li> <li>* discussions with the public on the issue of water supply in the city and possible ways to solve it were held;</li> <li>* the best international and national experts in the field of water supply systems are involved in resolving technical problems;</li> <li>* as a part of the search for possible sources of financing, preliminary agreements were reached on the possibility of financing the project from the French Ministry of Finance and Treasury.</li> </ul>

	<p>Detailed studies have shown that the best comprehensive solution to the existing problem of water supply of Mariupol is implementing a project to provide high-quality drinking water to the city "from its own sources". Namely, the construction of water treatment facilities for the treatment of water from the Kalmius and Kalchik rivers, using modern and reliable treatment technologies, with the location of these structures as close to the city as possible. This will ensure reliable water supply and high water quality at optimal costs.</p> <p>When studying the best international practices on urban water supply, our attention was drawn to examples of solving similar issues in French cities. Specialists of the Mariupol had the opportunity to study the practical implementation of these solutions during their visit to the regions and cities of France.</p>
Estimated project cost	64 million euro.
Project Implementation Arrangement	<p>Due to the decentralized partnership program and the support of French embassy, a consortium of French firms was formed consisting of Beten Ingenierie, Aqualter and Stereo, which help in the preparation and implementation of the project. Also, with the support of the French embassy, the possibility of implementing the project under the conditions of preferential credit and grant financing from the French Ministry of Finance and Treasury was developed and confirmed.</p> <p>According to the decree of the Cabinet of Ministers of Ukraine No. 151-R of March 13, 2019, the government submitted for ratification by the Verkhovna Rada of Ukraine a framework agreement between the Government of Ukraine and the Government of the French Republic on official support for the project to provide drinking water to Mariupol, committed on January 29, 2019 in Kyiv</p>
Key financial indicators of the project implementation	The total investment value of the project is 64,000,000 (sixty – four million) euros excluding VAT for 30 years, including 0.08% interest on loan repayment.
Project implementation term	2020 – 31.07. 2025
Indicative funding sources to finance the project	Funds received by the municipal enterprise "Mariupol Production Directorate of wastewater disposal organization" from the introduction of economic activities or at the expense of the city budget.
Project Implementation Arrangement	Implementation of the project started on 16.09.2020, currently data is being collected in the areas of water supply and sanitation, survey work is being carried out on water supply sources by BETEN INGENIERIE and the development of a feasibility study for a new water supply system.
Interested parties and expected result of the project implementation	<p>The funds planned for the implementation of the project will be spent on:</p> <ul style="list-style-type: none"> <li>- development of design and estimate documentation;</li> <li>- pumping units;</li> <li>- coarse water treatment units;</li> <li>- ultrafiltration settings;</li> <li>- reverse osmosis installations;</li> <li>- electrical equipment for powering and controlling the specified facilities</li> </ul> <p>;</p> <ul style="list-style-type: none"> <li>- services for the construction of water intake structures, pumping stations, laying water supply pipelines.</li> </ul>
<b>Characteristics of an object (existing or newly created)</b>	
Location of the object	<p>Ukraine, Donetsk region, Mariupol. The location address is not defined.</p> <p>The nearest Regional Center is Kramatorsk, 182 km. away (Zaporizhzhia, 199 km. away)</p>

Description of existing objects or those that are proposed to be created as part of the project implementation	Ukraine, Donetsk region, Mariupol. The location address is not defined.
Form of property	Communal
Related infrastructure	Ukraine, Donetsk region, Mariupol. The location address is not defined.
Land area, hectare	Ukraine, Donetsk region, Mariupol. The location address is not defined.
Land plot status	Ukraine, Donetsk region, Mariupol. The location address is not defined.
Levelling of land	

**Contact data:**

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