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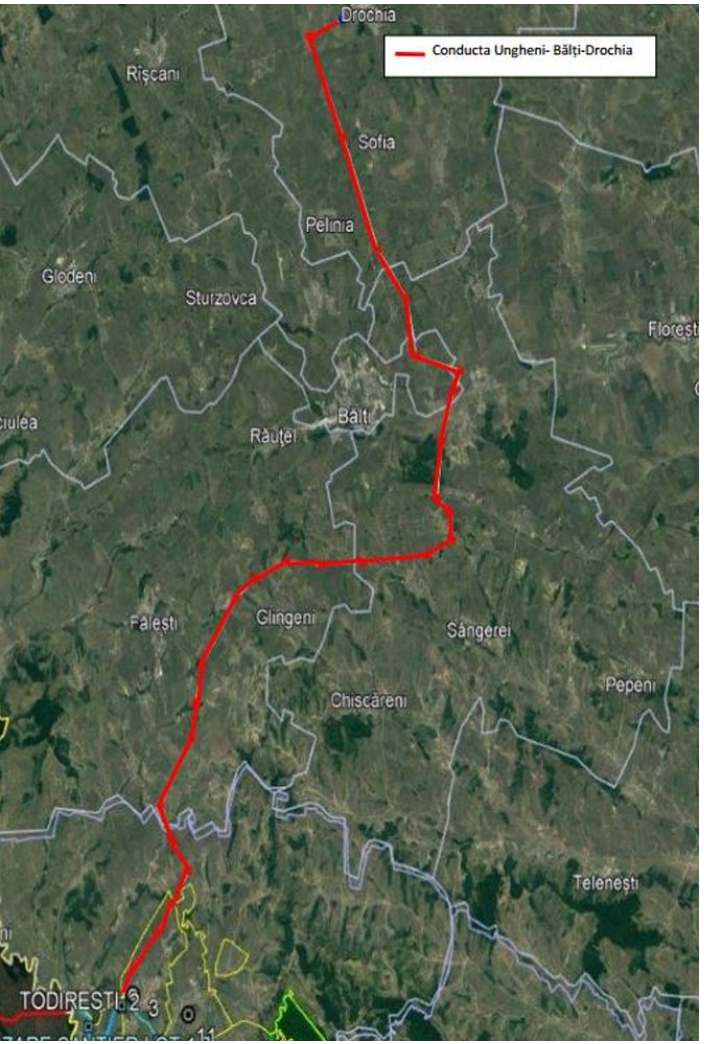


UNGHENI-BALTI-DROCHIA PIPELINE

Design and construction of the natural gas transmission network along the Ungheni → Balti → Drochia route, including connection to the Drochia Compressor Station on the Ananiev–Chernivtsi–Bogorodciani (ACB) pipeline

Chișinău
2026

UNGHENI – BALTI – DROCHIA PIPELINE



Orthophoto of the transmission pipeline Ungheni – Balti – Drochia

🎯 Project Purpose

The project aims to consolidate and complete the gas transmission infrastructure in the Central-North region of the Republic of Moldova, preventing physical congestion in gas supply to consumers. It addresses changes in gas flow directions and new legislative requirements for gas stock creation, enabling significant transport capacities.

As a development of the Iasi–Ungheni interconnector, including the Ungheni–Balti–Drochia pipeline, the system is designed to technically support the transport of hydrogen-enriched natural gas.

📌 Project Objectives

🔹 **Alternative Gas Supply:** Provide an alternative solution for natural gas supply to Balti and the northern regions of the Republic of Moldova.

🏭 **Optimized Storage Use:** Utilize the most important natural gas storage facility in Ukraine, with a capacity of 31 bcm.

📈 **Market Development:** Develop the regional natural gas market and strengthen the Republic of Moldova's role as a transit corridor.

🌐 **Network Interconnection:** Interconnect natural gas transmission systems in the Romania–Moldova–Ukraine direction, enhancing supply security by increasing transmission capacity and attracting new potential gas suppliers.

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UNGHENI – BALTI – DROCHIA PIPELINE



Maximum flow rate of the existing gas pipeline Tocuz - Cainari - Mereni is 7,2 mcm/day.

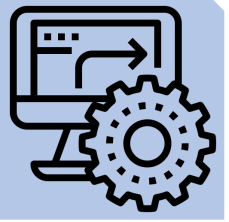
The maximum natural gas consumption during peak periods is approximately 8.5 mcm/day, distributed as follows:	
Southern Region	3,2 mcm/24h
Chisinau Municipality	3,8 mcm/24h
Northern Region	1,5 mcm/24h

Ungheni–Bălți–Drochia Pipeline – Key Estimates

- **Pipeline Construction:** New natural gas pipeline **DN 600, PN 55 bar, ~95 km** (final technical characteristics to be confirmed during the Feasibility Study and detailed design stage).
- **Route Start & End Points:** From the **Todiresti Valve Node** to the **suction pipe of the Drochia Gas Compression Station** on the ACB pipeline.
- **Todiresti Measurement Point Modernization:** Modernized to align with existing capacities and applicable regulatory requirements.
- **Pipeline Location / Passing Through:** Drochia, Tarigrad, Miciurin, Sofia, Hasnasenii Noi, Dobrogea Veche, Elizaveta, Heciu Nou, Singerenii Noi, Bilicenii Vechi, Pompa, Glinjeni, Piscalau, Bocani, Ciolacul Nou, Busila, Chirileni, Petresti, Zagarancea.

Intelligent Automation and Protection Systems

The project will integrate intelligent automation and protection systems, including pipeline drainage in compliance with applicable regulatory norms, as well as other appropriate equipment to ensure safe and efficient operation.





Financial Analysis and Project Options

The calculation of financial indicators for the development objective was performed for **2 project options**, analyzing **2 technical solutions:**

- **Option 1:** Construction of a **DN 500 natural gas transmission pipeline**, 95 km in length
- **Option 2:** Construction of a **DN 600 natural gas transmission pipeline**, 95 km in length

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THE PROJECT'S CONTRIBUTION TO THE ENERGY COMMUNITY'S OBJECTIVES:

The project aligns with the PECI Energy Community's objectives by building infrastructure ready for the transport of decarbonized gas and hydrogen and contributes to:

🔐 security of supply by connecting to the Trans-Balkan Corridor, which will increase transport capacity and system flexibility, reduce dependence on a single supply route, and improve the ability to respond to crises or supply disruptions by providing alternative connections.

🌍 the integration and efficient functioning of energy markets by facilitating cross-border energy exchanges, removing bottlenecks or structural constraints in networks, and creating the conditions for increased competition in regional markets.

🌱 reduce greenhouse gas emissions by ensuring the conditions for transporting a mixture of natural gas and hydrogen.

📈 the socio-economic development of the region by facilitating access to new energy sources that will ensure the conditions for increasing economic competitiveness and the quality of life of communities.

The projects are designed in accordance with European standards to ensure interoperability with the infrastructure in Member States.
They are complementary to the national projects in the development plan and those within the pan-European natural gas transport corridors, thus complying with the European Union's objectives for supporting the countries on the Eastern flank of the Union.

CHALLENGES

Planning and Design Stage – Key Considerations:



Regulatory Gaps: Lack of national regulations harmonized with **international and European standards**, which significantly impacts the design process and may have social consequences.



Technical Challenges: Existing conditions along the work corridors—such as the intensity of **technical engineering networks** and the **location of localities**—complicate design and construction unless **technical norms aligned with European best practices** or **derogatory acts** are adopted.

Implementation and Construction Stage:



Legislative Approvals:

Adoption of legislative acts to ensure a **simplified framework for land access** and **compensation for affected people**.



Geopolitical Risks:

The regional geopolitical situation (e.g. the **war in Ukraine**) may **impact the delivery of materials** and other project logistics.

IMPLEMENTATION OF THE INVESTMENT

⏱️ Estimated Investment Implementation Period

The estimated duration for the implementation of the investment is **5 years**. This period includes the **development and approval of the Feasibility Study and the FEED**, as well as the **tendering process and construction of the facility**.

Implementation period	2025	2026	2027	2028	2029	Total (Euro)
Total CAPEX Variant 1	791.307,63	1.262.985,32	4.005.745,08	38.781.036,80	34.158.925,17	76.000.000,00
Total CAPEX Variant 2	845.299,75	1.348.934,50	4.279.475,37	38.229.582,32	36.750.006,20	81.453.298,14

📅 General Investment Realization Schedule

Nr.	Activity name	2026				2027				2028				2029			
		Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4	Q 1	Q 2	Q 3	Q 4
1	Feasibility Study Development																
2	FEED development + Obtaining Building Permit																
3	Organization of procurement procedures																
4	Execution of works + commissioning																

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Thank you for your attention!