

**BROCHURE**  
**Project of Common Interest 6.20.4**  
**Depomures storage in Romania**

<b>PCI code (5<sup>th</sup> list):</b>	<b>6.20.4</b>
<b>PCI title:</b>	<b>Depomures storage in Romania</b>
<b>Priority corridor:</b>	<b>North-South Gas Interconnections in Central Eastern and South-Eastern Europe (“NSI East Gas”)</b>
<b>Cluster:</b>	<b>Increase storage capacity in South-Eastern Europe</b>
<b>Promotor:</b>	<b>ENGIE Romania S.A.</b>
<b>Operator:</b>	<b>DEPOMURES S.A.</b>
<b>Status:</b>	<b>Under construction (gradual)</b>

**General overview**

The project consists in the revamping and expansion of the existing gas storage facility of 300 MCM located in Târgu Mureş, Central Romania.

The main objectives of the project are to:

- (i) Build its own compression facilities to be used both at the injection of the gas into the storage and at the withdrawal of gas from the storage for its delivery to the national transmission system
- (ii) Increase the storage flexibility, on one hand by increasing the delivery pressure to the national transmission system up to 35 bar, and on the other hand by increasing the daily injection/withdrawal rates up to 3.5 MCM in a first stage and up to 5 MCM after the implementation of the second stage of the project
- (iii) Increase the working volume of the storage up to 400 MCM in a first stage and up to 600 MCM in the second stage of the project.

The project consists of the following main installation:

- Central station (compression and dehydration units, bidirectional fiscal metering panel, other relating facilities)
- New gathering pipeline
- Revamping of surface technological installation allowing to increase the operating pressure, new wells

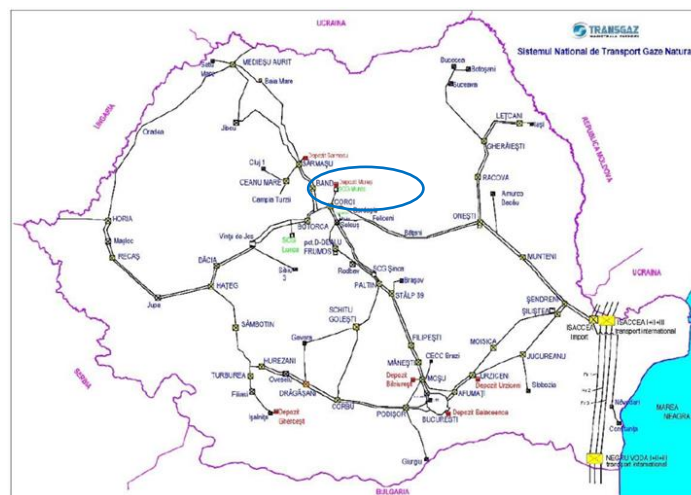
The role of underground gas storage significantly increased following the recent evolution of the energy market and the actual geopolitical context. The implementation of the project will bring various advantages both at national and regional level by:

- **Ensuring security of energy supply and reducing the dependency on the Russian fossil fuels** through the additional working volume
- **Further integration of an efficient and competitive internal energy market** through the reduction and prevention of infrastructure bottlenecks in gas supply and through the greater flexibility of the gas storage services that will contribute to boosting the market liquidity, with the wholesale market able to deliver more flexibility to the system

- **Interoperability of networks across borders and sectors** through its overall contribution to increase gas export capabilities and to mitigate the intermittency risk of renewable production
- **Facilitating decarbonization of the economy and promoting energy efficiency** through its overall contribution to the energy transition and the balancing of the large deployment of RES in the Eastern European Region

### Location

The storage facility is located in Central Romania, in the northern part of Transylvanian plateau, south-east of Târgu-Mureș city, Mureș County. The storage facility is located close to one of the most important technological nodes of the national transmission system, which is the departing point of gas transmission routes towards the extremities of Romania.



### Current status

The PCI has been structured and is being implemented in two phases, namely:

- Increase of daily flows up to 3.5 MCM, together with an increase of the working volume of the storage up to 400 MCM (**Phase 1**)
- Further increase of daily flows up to 5 MCM, together with an increase of the working volume of the storage up to 600 MCM (**Phase 2**)

The implementation of the first phase of the PCI has been partially completed, a part of the investments being to date commissioned (upgrading works to increase the pressure of the storage system to 64 bar, new gathering pipeline, gas dehydration station, connection to the high pressure gas transmission network).

In 2023, following the CEF Energy call for proposals launched by the European Climate, Infrastructure and Environment Executive Agency (CINEA) on 18<sup>th</sup> of April, Depomures submitted an application for the implementation of the remaining works of Phase 1 of the PCI. The proposal, *Depomures storage in Romania – Compression station, Phase 1* was selected to receive a grant of 12.77 MEUR. The Grant Agreement was signed on 26 March 2024 between Depomures and the European Climate, Infrastructure and Environment Executive Agency (CINEA).

The action co-funded by the European Union supports the implementation of the remaining works of Phase 1 of the PCI 6.20.4, aiming to increase the working capacity of the existing storage facility by +33% (+100 MCM / 1TWh) and the daily injection/withdrawal rates by +75% (+1.5 MCM/day / 15.8 GWh).

More particularly, the action allows an increase of the reverse flow pressure regime from the storage facility to the National Transmission System by 250% (from an existing maximum of 12-14 bar up to 35 bar) and eliminates the current interconnection bottlenecks at the interface of the storage with the National Transmission System that currently impact interoperability and system flexibility, contributing to an overall pressure increase of the National Transmission System, with a positive impact on Romania's interconnections with Hungary and Bulgaria, which will further facilitate the integration of the national energy market within the European one.

The action is composed of three Work Packages (WP). Along project management and coordination activities (WP1), the project will develop the connection works to the national power grid (WP2), to feed the future gas compression station, and enable the construction of the gas compression plant (WP3).

The implementation of the action will contribute to the enhancement of gas export capabilities by facilitating the increase of the pressure and of the physical flows in the National Transmission System that could be routed towards the interconnection points, supporting thus the increase of daily quantities that could be exported. It will moreover lead to an improved energy efficiency and regional market integration, by reducing energy infrastructure bottlenecks, increasing interoperability and system flexibility and supporting the management of gas production.

The action is expected to be completed by April 2026.

#### **Additional information sources**

PCI website

<http://www.depomures.ro/pci.php>

CINEA official website

[https://cinea.ec.europa.eu/programmes/connecting-europe-facility/energy-infrastructure-connecting-europe-facility-0/energy-infrastructure\\_en](https://cinea.ec.europa.eu/programmes/connecting-europe-facility/energy-infrastructure-connecting-europe-facility-0/energy-infrastructure_en)

European Commission official site

[https://energy.ec.europa.eu/topics/infrastructure/projects-common-interest\\_en](https://energy.ec.europa.eu/topics/infrastructure/projects-common-interest_en)

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