

# ENHANCEMENT OF LATVIA-LITHUANIA INTERCONNECTION (ELLI)

Amber  
Grid



Co-financed by the Connecting Europe  
Facility of the European Union

# IN BRIEF

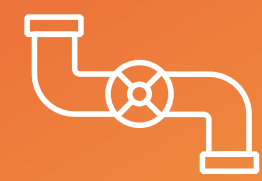
The aim of the project is to increase the capacity of the gas interconnection Latvia-Lithuania, ensure safe and reliable gas supply and achieve a more effective use of the infrastructure and better integration of the gas markets of the Baltic States. In this way better conditions will be provided for the use of Latvia's Inčukalns underground gas storage facility. The project will be implemented by the end of 2023.

After implementation of ELLI project, towards Latvia transmission capacity will amount up to 130.5 GWh/ day and towards Lithuania – up to 119.5 GWh/day

## GOALS



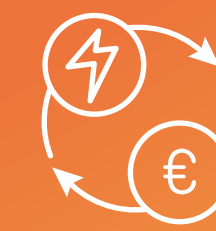
Achieve sufficient interconnection capacity between Baltic States



Take more advantage of alternative gas supply sources and routes in the Baltic region



Enhance the security of gas supply in the Baltic region



Serve for the formation of EU internal energy market, increase market integration and competition



Strengthening EU Member States' energy solidarity

# PROMOTERS

The project has been implemented by Lithuania's and Latvia's gas transmission system operators AB Amber Grid and AS Conexus Baltic Grid.

**Amber Grid**



Amber Grid, Lithuania's gas transmission system operator, ensures reliable and safe gas transmission by high pressure pipelines to the system users. The company is responsible for operating, maintaining and developing the gas infrastructure of Lithuania which contains of more than 2,100 km of pipelines and 2 gas compressor stations. Well-developed Lithuania's gas infrastructure serves as regional hub for the gas transmission towards North in Latvia direction.

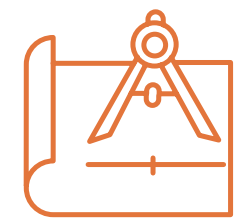


**conexus**  
BALTIC GRID

Conexus Baltic Grid is a natural gas transmission and storage operator in Latvia. The company is responsible for the transportation of natural gas and operation and maintenance of the transmission system near 1,200 km long and Inčukalns underground storage infrastructure. The natural gas transmission system connects Latvia's natural gas market with Lithuania, Estonia and Russia. The transmission system enables traders to provide flexible and secure natural gas deliveries for customers.

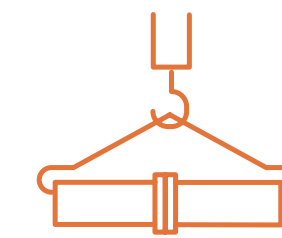
# IMPLEMENTATION

In 2020 the contract was signed for the Basic Engineering Design: for the enhancement of capacities of Kiemenai gas metering station and for the readjustment of the piping in the area of Panevezys compressor station. The Basic Engineering Design will be completed and permission to start the construction will be obtained in 2021.



**2020 - 2021:  
Basic Engineering  
Design**

The construction works for the enhancement of capacities of Kiemenai gas metering station and for the readjustment of the piping in the area of Panevezys compressor station will be implemented during 2022 - 2023.



**2022 - 2023:  
Construction**

1.



**2018: Feasibility  
Study and Cost-  
Benefit Analysis**

2.

3.

The Feasibility Study and Cost-Benefit Analysis was carried out in 2018. The market analysis showed a need to almost double the capacities of interconnection between Latvia and Lithuania, once other regional infrastructure is in operation, and thus meeting the regional gas demand and ensuring security of gas supply. The enhancement of capacities towards Latvia will amount up to 130.5 GWh/day and towards Lithuania – up to 119.5 GWh/day. In Lithuania, it is planned to increase the capacities of Kiemenai gas metering station and to readjust the piping in the area of Panevezys compressor station. In Latvia, it is planned to modernize high-pressure pipelines to be able to increase maximum operating pressure up to 50 bar.



CAPEX



**10.2** mEUR

Planned investments in Latvia and Lithuania

**4.7** mEUR

In Lithuania

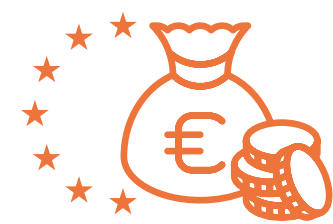


**9.8** mEUR

Total eligible costs for EU financing

**4.3** mEUR

In Lithuania



THE EU GRANTS

On 25 May 2018 Amber Grid and Conexus Baltic Grid signed a trilateral agreement with the Innovation and Networks Executive Agency (INEA) on financing the Feasibility Study for the enhancement of capacity of the gas interconnection between Latvia and

Lithuania from the EU Connecting Europe Facility (CEF). The EU support for the study was up to 175 thousand EUR.

On 19 December 2019, INEA signed an agreement with Amber Grid and Conexus Baltic Grid on financing construction works

for the project to enhance the capacity of the interconnection between Latvia and Lithuania. The financial grant amounts up to 5 mEUR from CEF, out of which up to 2.1 mEUR – for Amber Grid.



The Project carried out in Lithuania is included in



The 4th List of the EU Projects of Common Interest, which was announced in October 2019



The European Network of Transmission System Operators (ENTSO) Ten-Year Development Plan announced in 2018



The National Key Electricity and Gas Transmission Projects Implementation Plan as approved by the Resolution of the Government of the Republic of Lithuania



Natural Gas Transmission System Operator's Ten-Year Network Development Plan for 2020-2029