



Co-financed by the European Union  
Connecting Europe Facility

## PROJECT OF COMMON INTEREST (PCI)

### 6.8.2 REHABILITATION, MODERNIZATION AND EXPANSION OF THE EXISTING GAS TRANSMISSION SYSTEM



**PCI & CESEC Project**

#### PROJECT PROMOTER:



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#### MAIN PROJECT OBJECTIVE:

The existing gas infrastructure on the territory of Bulgaria, which has been in operation for forty years now and has been constructed to transport natural gas in direction from North to South, to be adapted to the new market requirements and new realities in the context of the plans for infrastructure development in the region.

#### PROJECT FUNDING:

PCI 6.8.2 Rehabilitation, modernization and expansion of the existing gas transmission system – PHASE 2 has been implemented with Bulgartransgaz EAD own funds and the financial support of the EU through the [Connecting Europe Facility \(CEF\) Programme](#).

Grant Agreement № INEA/CEF/ENER/M2015/1119568	Co-funding amount: <b>Up to EUR 850 000</b>
Grant Agreement № INEA/CEF/ENER/M2016/1290626	Co-funding amount: <b>Up to EUR 182 000</b>
<b>TOTAL CO-FUNDING PROVIDED VIA THE CEF PROGRAMME UNTIL NOW: up to EUR 1,032 million</b>	

*\* The implementation of the activities under Phase 1 of the project were initiated prior to the project being announced as a PCI. All activities under this Phase have been completed with the commissioning of the gas pipeline section Lozenets – Nedyalsko at the end of June 2018. Stage 1 of the modernization of CS is included in the National Investment Plan and in this respect in the end of 2016 Bulgartransgaz EAD received national funding for CS Petrich and CS Ihtiman. Phase 3 of the project is a conditional infrastructure and it is related to decision which are to be taken regarding the IBS Project (Interconnection Bulgaria-Serbia). In this respect Phase 2 represents the key phase on the project realization as a PCI and the abovementioned Grant Agreements for co-funding are related to the implementation of the activities under Phase 2.*

#### GENERAL PROJECT INFORMATION:

PCI 6.8.2 represents a complex, multicomponent, staged project for modernization, rehabilitation and expansion of the existing gas transmission infrastructure on the territory of Bulgaria, owned and operated by the combined gas operator Bulgartransgaz EAD. It has been implemented in **3 PHASES** and includes the following activities:

- Modernization and rehabilitation of compressor stations;
- Repair and replacement of gas pipeline sections following inspections;
- Expansion and modernization of the existing gas transmission network;
- Inspections to determine and characterize the gas pipelines' condition;
- Implementation of systems for optimization of the management process of the network technical condition.

#### ADDITIONAL PROJECT INFORMATION:

Project webpage:

<https://www.bulgartransgaz.bg/bg/pages/pcis-118.html>;

#### EC INFORMATION PLATFORM:

<https://ec.europa.eu/energy/en/topics/infrastructure/projects-common-interest>.

#### FEEDBACK TEMPLATE:

Comments, questions and recommendations about the project can be sent to the project promoter's e-mail address via a **Standard Form** which is available at:

<https://www.bulgartransgaz.bg/bg/pages/pcis-118.html>

## PROJECT PHASES: PHASE 1

Includes the initial activities on the projects which were initiated in the period 2013-2015 which Bulgartransgaz EAD carried out funding them by its own funds and funds from the National Investment Plan (CS Petrich and CS Ihtiman).

### ACTIVITIES:

- Stage 1 of the modernization of 4 compressor stations (CS Lozenets, CS Ihtiman, CS Petrich, CS Strandzha) by integrating 6 low emission gas turbine compressor units (GTCU);
- Construction of a new gas pipeline CS Lozenets – PF Nedyalsko (~20 km), as part of the envisaged activities under the project for expansion on the gas transmission network.
- In-line inspections.
- Implementation of systems for optimization of the management process of the network technical condition.

## PROJECT PHASES: PHASE 2

Includes activities undertaken in 2016 which are a natural and logical continuation of the overall project realization following the implementation of PHASE 1.

### ACTIVITIES:

- Stage 2 of the modernization of the compressor stations by integrating 4 GTCUs in 3 compressor stations (CS Lozenets, CS Petrich, CS Ihtiman);
- Rehabilitation and replacement of sections of the Northern semi-ring of the gas transmission network with a total length of 81 km.
- Inspections.

***The activities under PHASE 2 of PCI 6.8.2 are realized with the financial support of the EU via the Connecting Europe Facility (CEF) Programme.***

## PROJECT PHASES: PHASE 3




Includes the construction of conditional infrastructure required following the adoption of a Final Investment Decision (FID) on the realization of IBS project Stage 2.

### ACTIVITIES:

This phase includes the infrastructure whose realization and parameters are conditional, being connected to future decisions on the IBS project whose Bulgarian project promoter is the Ministry of Energy. The infrastructure to be built includes:

- A new gas pipeline Gorni Bogorov – Novi Iskar with an approximate length 19 km, DN 700;
- A new CS Bogrov – 20 MW.

### Legend:

-  Rehabilitation and modernization of compressor stations (Stage 1 and Stage 2)
-  Expansion of the existing network (part of Phase 1)
-  Rehabilitation and replacement of sections of the gas transmission network – 81 km (part of Phase 2)



### Activities completion, scheduled year

Activities completion, scheduled year		
<b>PHASE 1:</b>	Stage 1 of the compressor stations modernization	2016
	Construction of a gas pipeline CS Lozenets – PF Nedyalsko	2018
	Implementation of systems for optimization of the management process of the network technical condition	2017
<b>PHASE 2:</b>	Stage 2 of the compressor stations modernization	2021
	Rehabilitation and replacement of a gas pipeline section – 58 km PF Beglezh – VA Dermantsi – VA Batultsi – VA Kalugerovo	2021
	Rehabilitation and replacement of a gas pipeline section – 23km PF Valchi Dol – VA Preselka	2021
	In-line inspections	2016
<b>PHASE 3*:</b>	New gas pipeline Gorni Bogorov – Novi Iskar, 19 km, DN 700 and a CS, 20 MW	Conditional Phase