

# Bulgartransgaz's Gas Infrastructure Projects

Kiril Temelkov  
CEO

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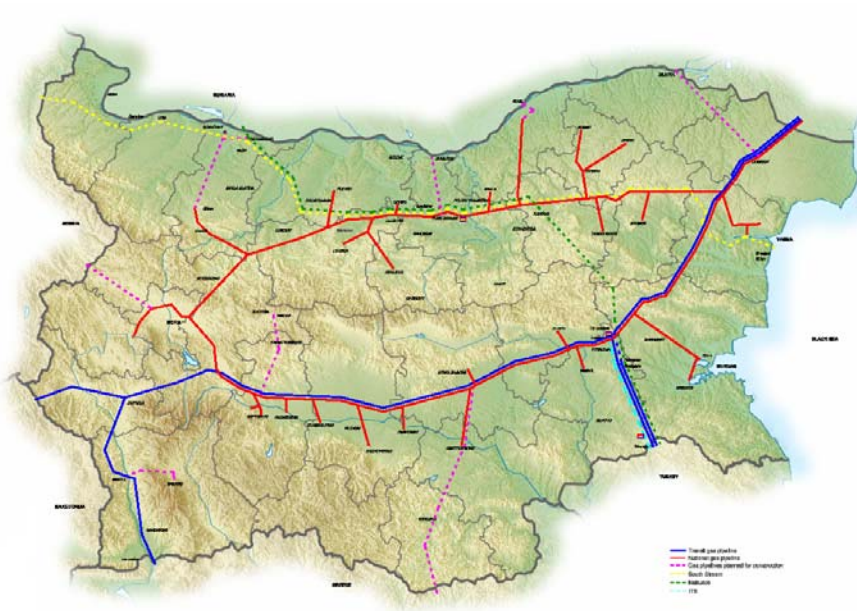
# I. Bulgartransgaz EAD: Overview

Bulgartransgaz EAD is the Bulgarian combined gas operator, registered under this name on 15.01.2007 after the restructuring of former Bulgargaz EAD.

The company is the owner and operator of:

- I. National gas transmission network for transport of natural gas to gas distribution companies and industrial gas consumers in the country of Bulgaria
- II. Transit gas transmission network for transit transmission of natural gas through the territory of Bulgaria between Rumania and Turkey, Greece and Macedonia.
- III. Gas storage facility in Chiren (Chiren UGS)

# Bulgartransgaz EAD: Gas infrastructure on the territory of Bulgaria



## I. National gas transmission network:

- Pipelines total length: 1 700 km
- Three compressor stations - total power of 49 MW
- 8 GMS
- 68 AGRS/GRS
- Designed technical capacity of the grid - 8 bcm/y

## II. Transit gas transmission network:

- Pipelines length: 945km.
- Six compressor stations - total power of 240 MW
- Designed technical capacity of the grid - 18,7 bcm/y

## III. Underground Gas Storage /UGS/ Chiren

- 22 exploitation wells
- Above Ground Technological installations including one compressor station of 10 MW power.
- Working capacity 0,5 bcm

## II. Cross - border Gas Infrastructure Projects



Developed by Bulgartransgaz EAD:

- Interconnection Bulgaria – Romania (IBR)
- Interconnection Turkey – Bulgaria (ITB)
- Interconnection Bulgaria – Serbia (IBS)

Developed by other companies:

- Interconnection Greece – Bulgaria (IGB)
- Nabucco
- South Stream
- SEEP

# Interconnection Bulgaria-Romania (IBR)



- Pipeline route: Ruse - Giurgiu
- Pipeline diameter: 500 mm
- Pipeline length: 25 km (15 km Bulgarian section)
- Maximum Capacity: 1,5 bcm /y
- Investment size: EUR 24 mln ( EUR 13 mln for Bulgarian section)
- EU grant (EERP): EUR 9 mln
- Construction: end of 2012
- Scheduled commissioning: May 2013

# Interconnection Turkey-Bulgaria (ITB)



- Pipeline route in BG: Lozenets – Malkochlar
- Pipeline Diameter: 700 mm -1000mm
- Length: ~ 77 km Bulgarian section  
~ 130 km Turkish section
- Investment size: up to EUR 75 mln for Bulgarian section;
- Pipeline capacity: 3-5 bcm/y
- Completion: First phase 2014
- Status: Feasibility study and pre-investment works.

# Interconnection Bulgaria-Serbia (IBS)



- Pipeline route: Sofia – Dimitrovgrad – Nis
- Pipeline Diameter: 700 mm
- Length: 150 km (55 km Bulgarian section)
- Pipeline Capacity: 1,8 bcm/y – 4,5 bcm/y
- Investment size (Grant OPRD): EUR 60 mln for the Bulgarian section
- Completion: 2015
- Status: Feasibility study and pre-investment works (EIA, Routing, DZP)

IBS is developed by MEET, beneficiary of OPRD, Bulgartransgaz EAD extends expert technical support



# Projects of UGS capacity expansion

I. Increasing current daily deliverability and working gas volume in UGS Chiren:

	Deliverability	Working Gas Volume
current	4,3 mcm/d	550 mcm
projected	10 mcm/d	1 bcm

-Estimated investment size: EUR 200 mln

-Completion: 2015-2017

-Status: Feasibility study

II. New Gas Storage facility

Construction of new gas storage facility on the territory of Bulgaria.

# Expansion of the existing transmission network

## Projects co – financed by KIDSF

### I. Gas pipeline Dobrich-Silistra:

- Length: 80 km
- Investment size: EUR 12,5 mln
- Completion: 2013

### II. Gas pipeline Chiren - Kozloduy - Oryahovo

- Length: 70 km
- Investment size: EUR 14,5 mln
- Completion: 2014

### III. Gas pipeline Simitli-Bansko-Razlog

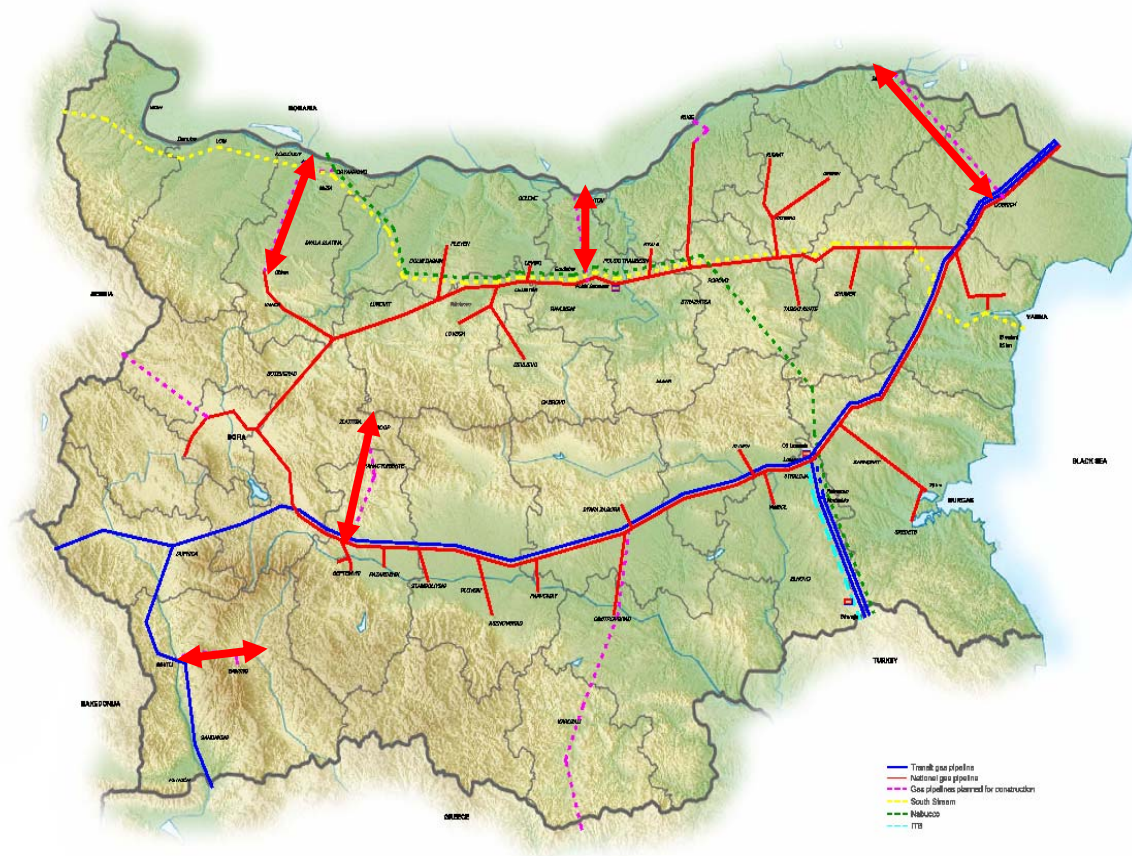
- Length: 40 km
- Investment size: EUR 9,7 mln
- Completion: 2015

### IV. Gas pipeline to Panagurishte-Pirdop

- Length: 46 km
- Investment size: EUR 7,2 mln
- Completion: 2015

### V. Gas pipeline to Svishtov

- Length: 36 km
- Investment size: EUR 4,7 mln
- Completion: 2015



# Summary

## Pipeline Projects 2012 – 2015

Total Cross-border projects 2012-2015

- Length: 147 km. ( for Bulgarian sections)
- Costs: EUR 148 mln (for Bulgarian sections)

Total internal Projects 2012-2015

- Length: 272km.
- Costs: EUR 49 mln

## UGS Chiren Expansion 2013-2017

Costs: EUR 200 mln



**Thank you for your attention !**

[www.bulgartransgaz.bg](http://www.bulgartransgaz.bg)  
[hq@bulgartransgaz.bg](mailto:hq@bulgartransgaz.bg)

66, P.Vladigerov Blvd.,  
Luilin 2, P.O Box3, 1336  
Sofia, Bulgaria  
tel.: +359 2 939 63 00