



**Bulgarian
Energy
Holding**

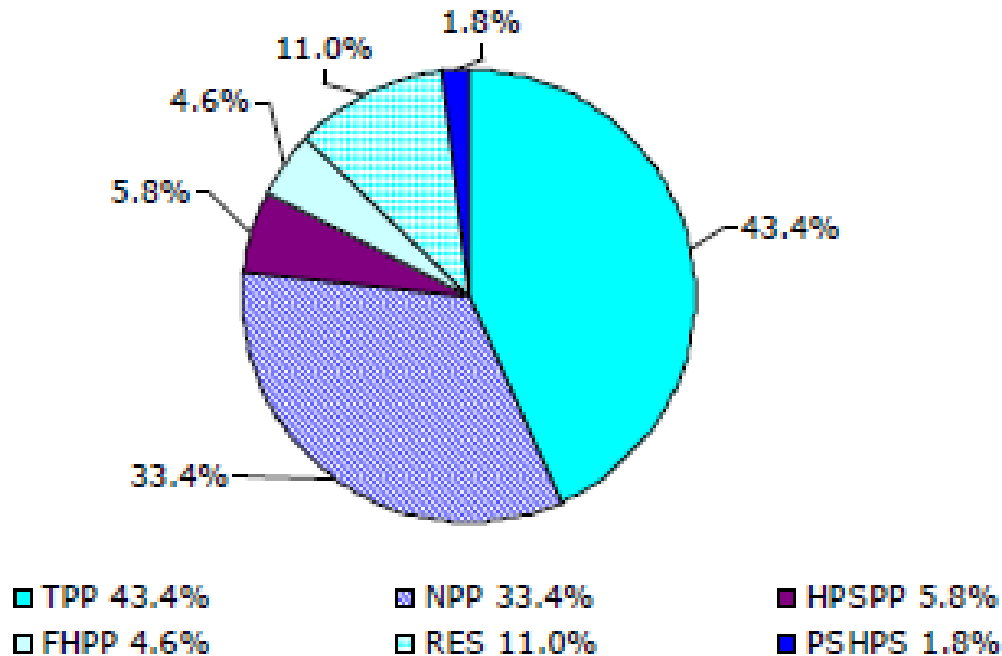
Guaranteeing Security of Energy Supply

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**1st Energy Geopolitics Roundtable
19 March 2014, Sofia**

Main Drivers of Bulgarian Electricity Sector

Structure of Electric Power Gross Generation by type of power plant (2012)



2012

- **Gross Generation:** 47 TWh
- **Gross Consumption:** 39 TWh
- **Export:** 8.3 TWh (18% of the gross generation)
- **Local resources:** 90% (Nuclear Energy is reported as a local energy resource)
- **Imported resources:** 10%

Bulgarian Electricity Infrastructure

Main Electricity Transmission Projects (PCI)

- Interconnection Maritsa East 1 (BG) and N. Santa (EL) & necessary internal lines;
- Internal line between Vetren and Blagoevgrad (BG);
- Internal line between Tsarevets and Plovdiv (BG);



New Power Generation Projects

- 7th Unit of NPP Kozloduy;
- 9th and 10th Units of Maritsa East 2;
- Gas-Fired Power Plants (CHP);
- Others

Main Drivers of Bulgarian Gas Sector

Bulgarian Gas Transmission Network *(Includes National and Transit Networks)*

- High pressure gas pipelines > 2 700 km
- Compressor stations – 9 (installed capacity – 264 MW)
- National Gas Transmission Network with length of >1 700 km (3 compressor stations with total capacity 49 MW)
- Capacity of the national gas transportation network - 8 bcm/year
- Transit gas network with length 945 km (6 compressor stations with total capacity 240 MW)
- Technical capacity of the transit gas pipelines – 18.7 bcm/year

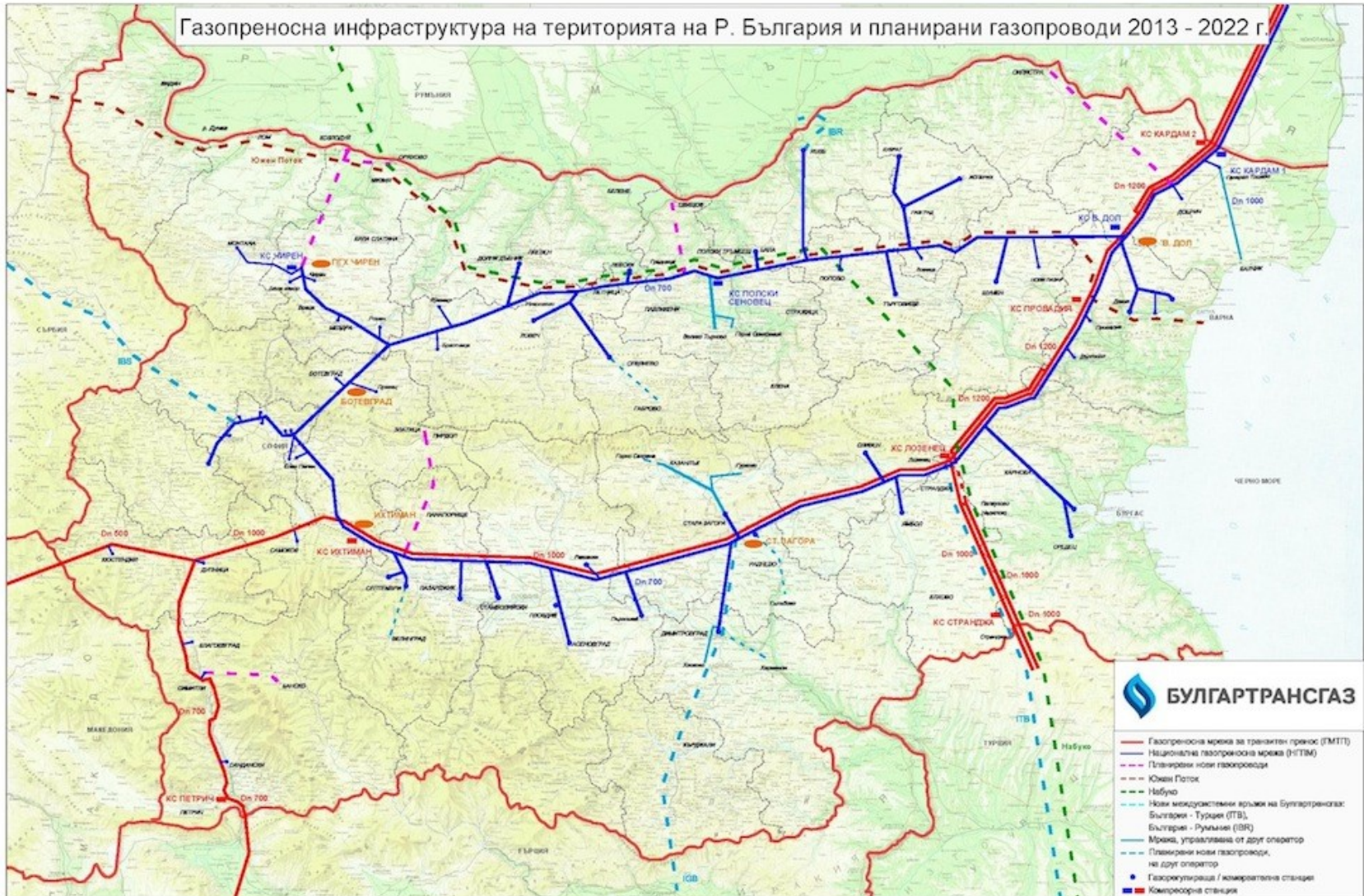
Natural Gas Volumes:

- **Consumption:** 2012 – 2.75 bcm; **2013 – 2.8 bcm (+2%)**
- **Indigenous production:** 2012 - 0.39 bcm; **2013 – 0.28 bcm (-28%)**
- **Gas import dependence:** 2012– 86%; **2013 - 90% (+4%)**

UGS “Chiren” (incl. compressor station with capacity 10 MW):

- Working gas capacity – **0.5 bcm** (planned to be increased to **0.85 - 1 bcm**)
- Max. daily withdrawal capacity – **4.3 mcm** (planned to be increased to **8 -10 mcm/day**).

Existing and Planned Bulgarian Natural Gas Network



1 SOUTH STREAM

2 INTERCONNECTION GREECE-BULGARIA (IGB)

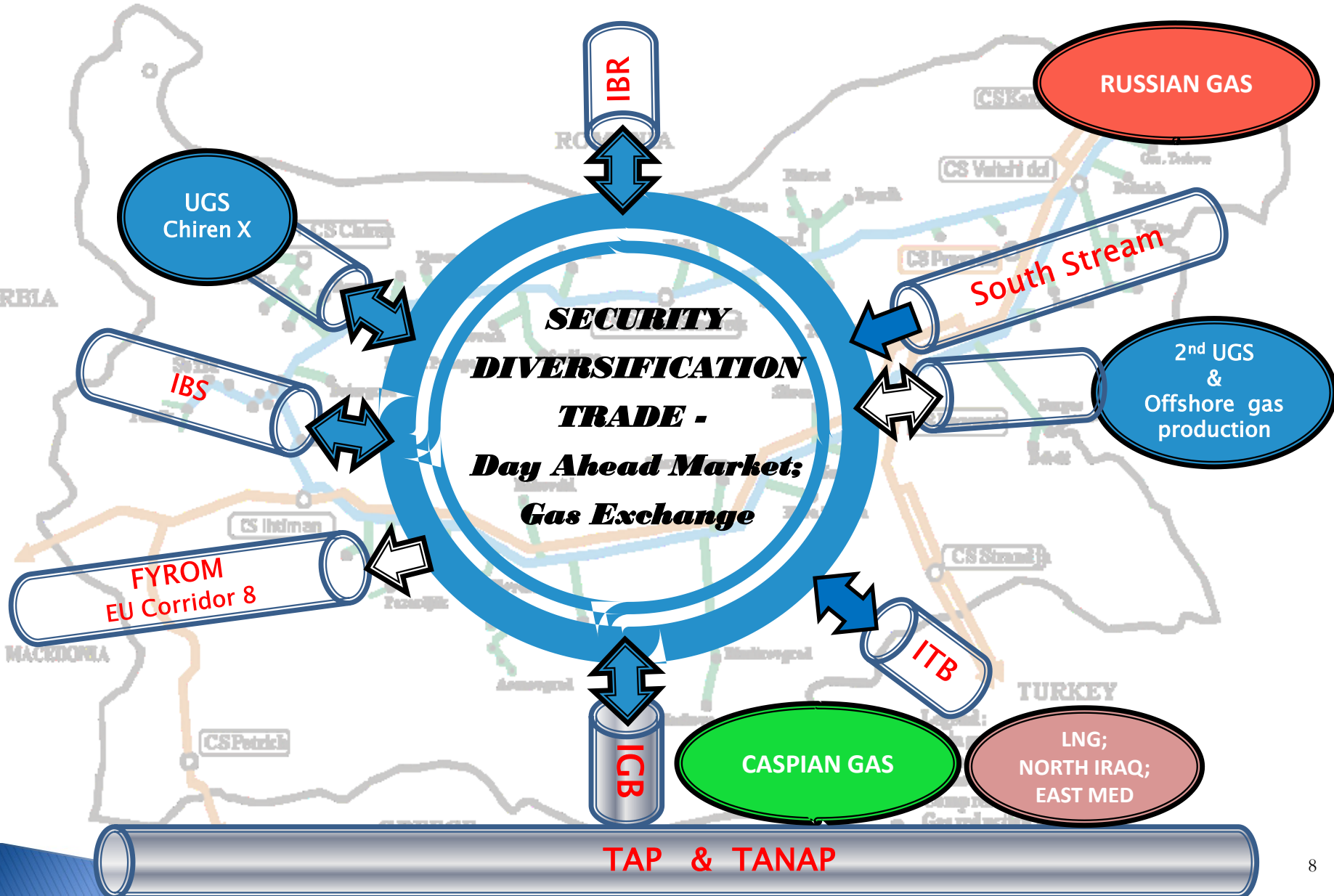
3 INTERCONNECTION TURKEY-BULGARIA (ITB)

4 INTERCONNECTION BULGARIA-ROMANIA (IBR)

5 INTERCONNECTION BULGARIA-SERBIA (IBS)



Future Development of SEE Gas Market



Thank you for your kind attention!

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