

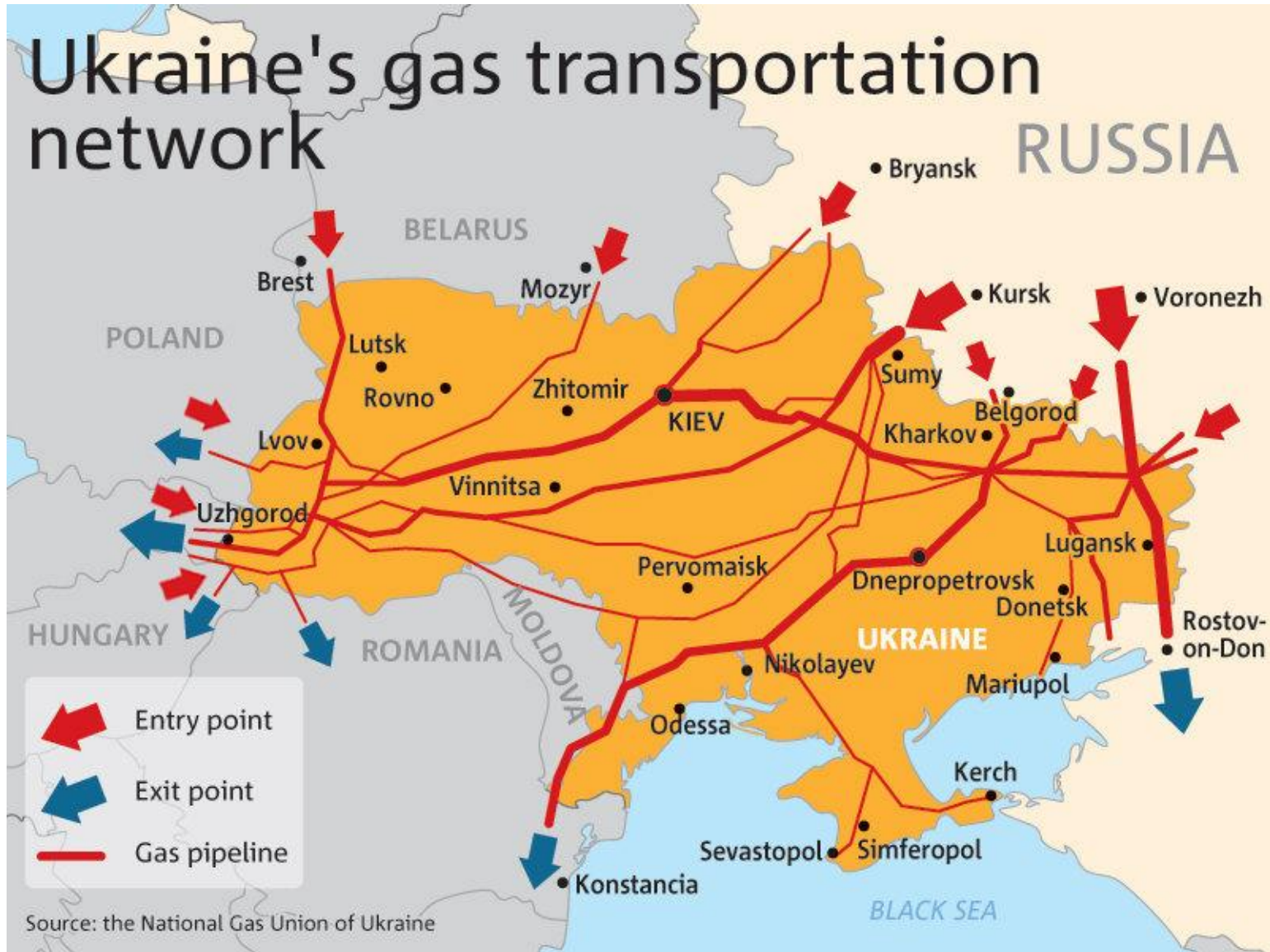


PJSC UKRTRANSNAZ

# Modernization of Ukrainian Gas Transmission System

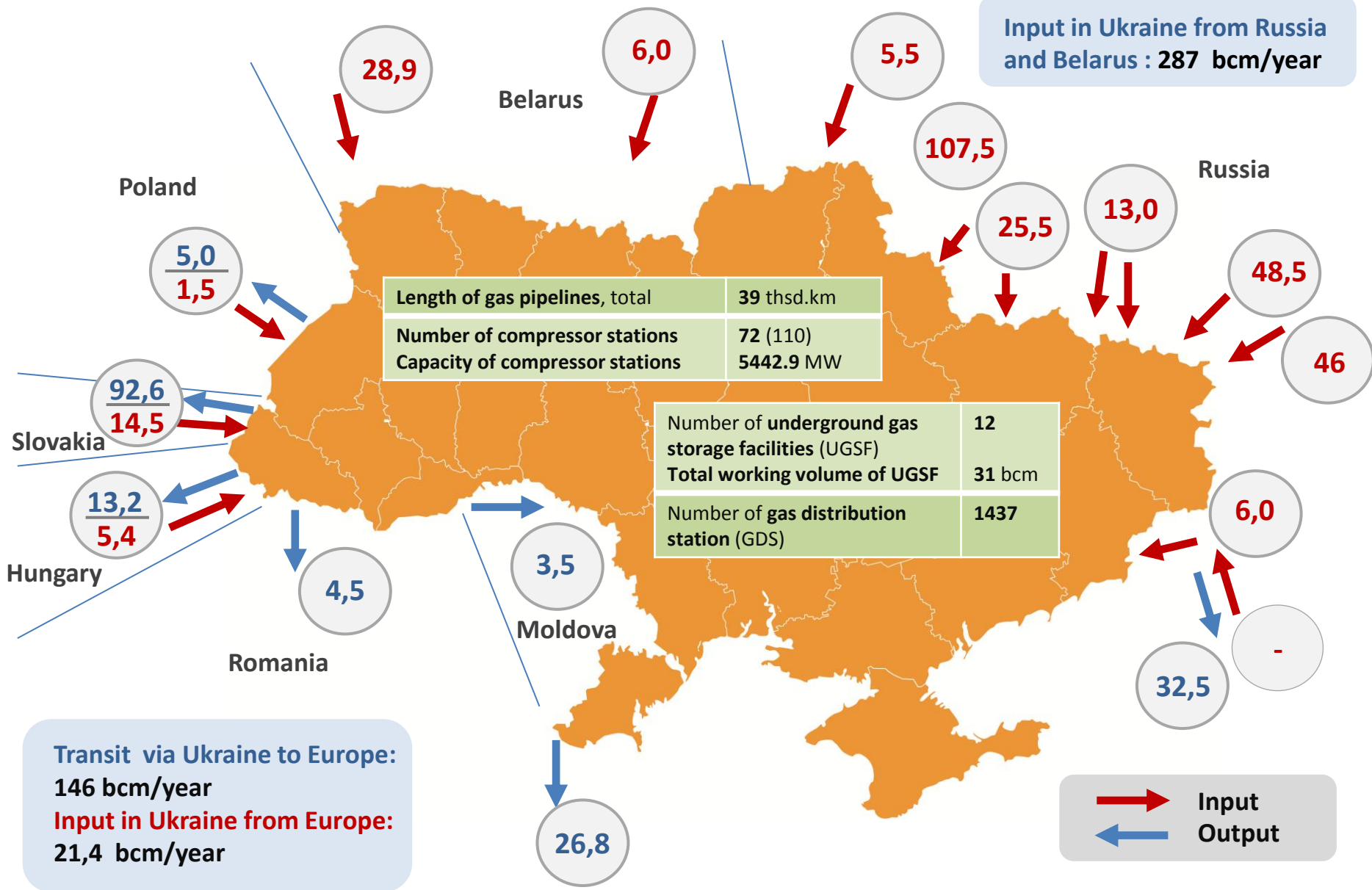


## Gas transmission system of Ukraine

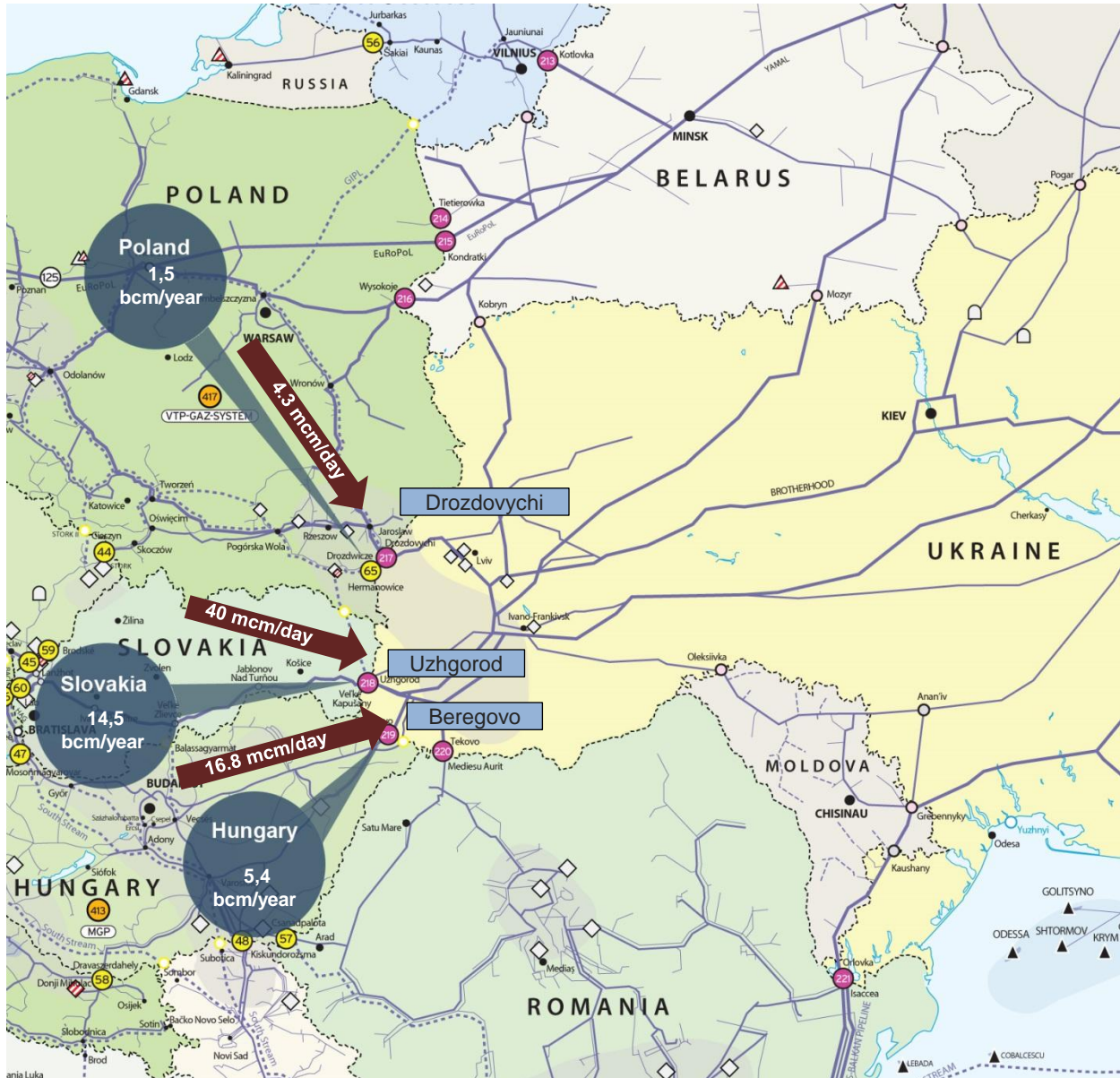


# Gas transmission system of Ukraine

Input in Ukraine from Russia and Belarus : 287 bcm/year



## Gas flows capacity to Ukraine from Europe



# UGTS priority objects modernization and reconstruction



# Modernization and Reconstruction of Urengoy-Pomary-Uzhgorod Gas Pipeline (1<sup>st</sup> stage)



## 1<sup>st</sup> stage of reconstruction:

deadline – 4 years

- reconstruction of 4 linear parts;
- modernization of telemechanics and communication systems;
- modernization of CS

**INVESTMENT COST – 295 USD Mln, incl.**  
**own funds – 10 USD Mln**  
**loan funds – 285 USD Mln**

Reconstruction of linear part	USD Mln	220
Reconstruction of CS	USD Mln	75
<b>Total</b>	<b>USD Mln</b>	<b>295</b>



# Other Priority Reconstruction Objects of Ukrainian GTS



Reconstruction objects	Terms	Cost (appr.), USD million
Ananiiv CS	2015-2018	113.4
Yagotyn CS	2015-2018	111.0
Komarno CS	2015-2018	79.3
Orlovka CS	2015-2018	109.8



## CS Bar reconstruction

### Replacement of GPU:

- ensuring of efficiency;
- decreasing of emissions;
- decreasing of fuel gas consumption;
- increasing of exploitation terms;
- the estimated cost of reconstruction – 51 million USD





## Project of Poland-Ukraine Gas Interconnection



### Project goals

**Diversification of gas supplies** - increase of gas import from Europe to Ukraine through the Republic of Poland;

**Access to underground gas storages** - providing the possibility of European gas storing in Ukrainian underground gas storage and supply it to customers;

**Key infrastructure for the future CEE gas hub** - stage on the course of creation a single infrastructural and commercial gas space of Ukraine, Poland, Slovakia and Hungary and creation of a single East European Gas Hub

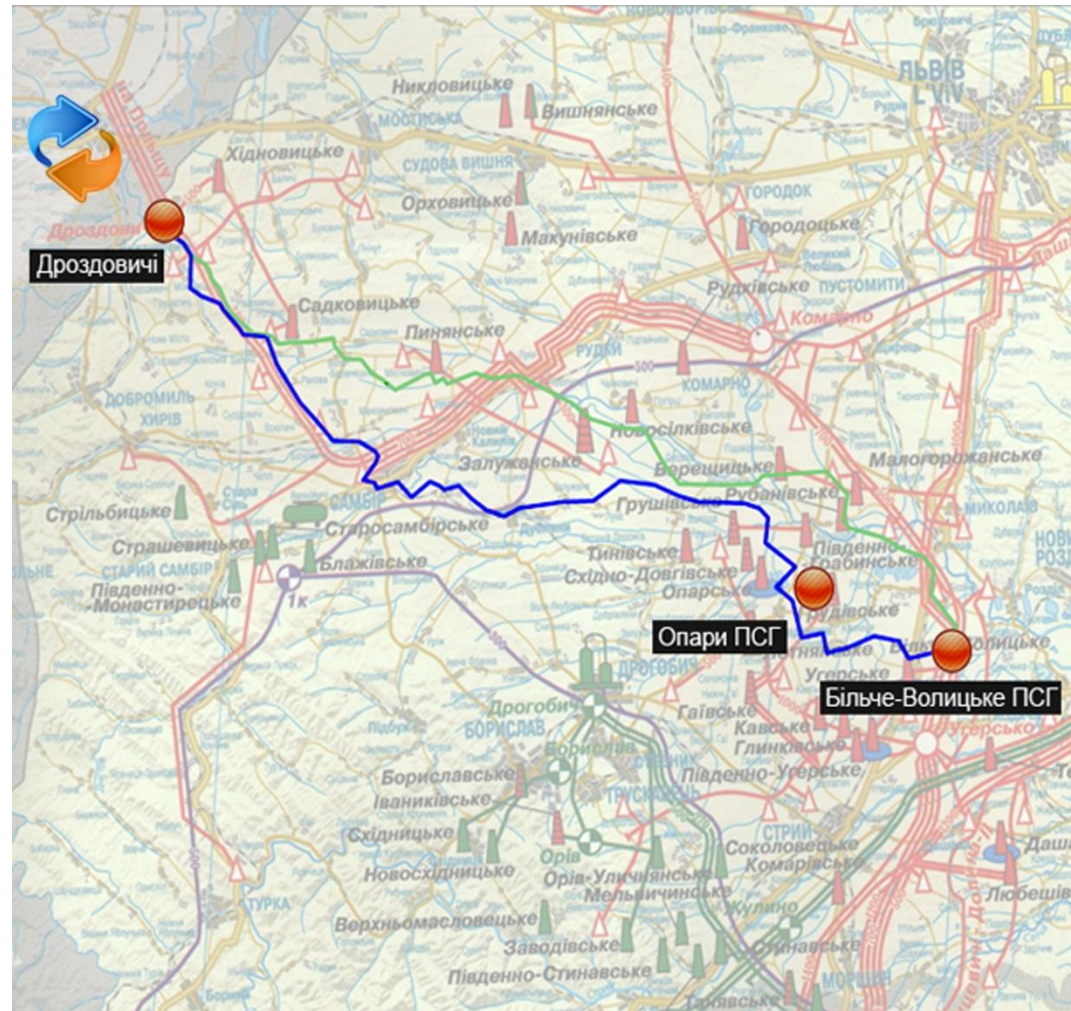


## Project of Poland-Ukraine Gas Interconnection

### Project capacity:

- Pipeline length - 110 km
- Gas transportation pipeline - DN 1000
- Working pressure - 75 Bar
- Capacity:
  - in the direction of Poland-Ukraine  
 $Q = 8 \text{ bcm/year}$
  - in the direction of Ukraine-Poland  
 $Q = 7 \text{ bcm/year}$

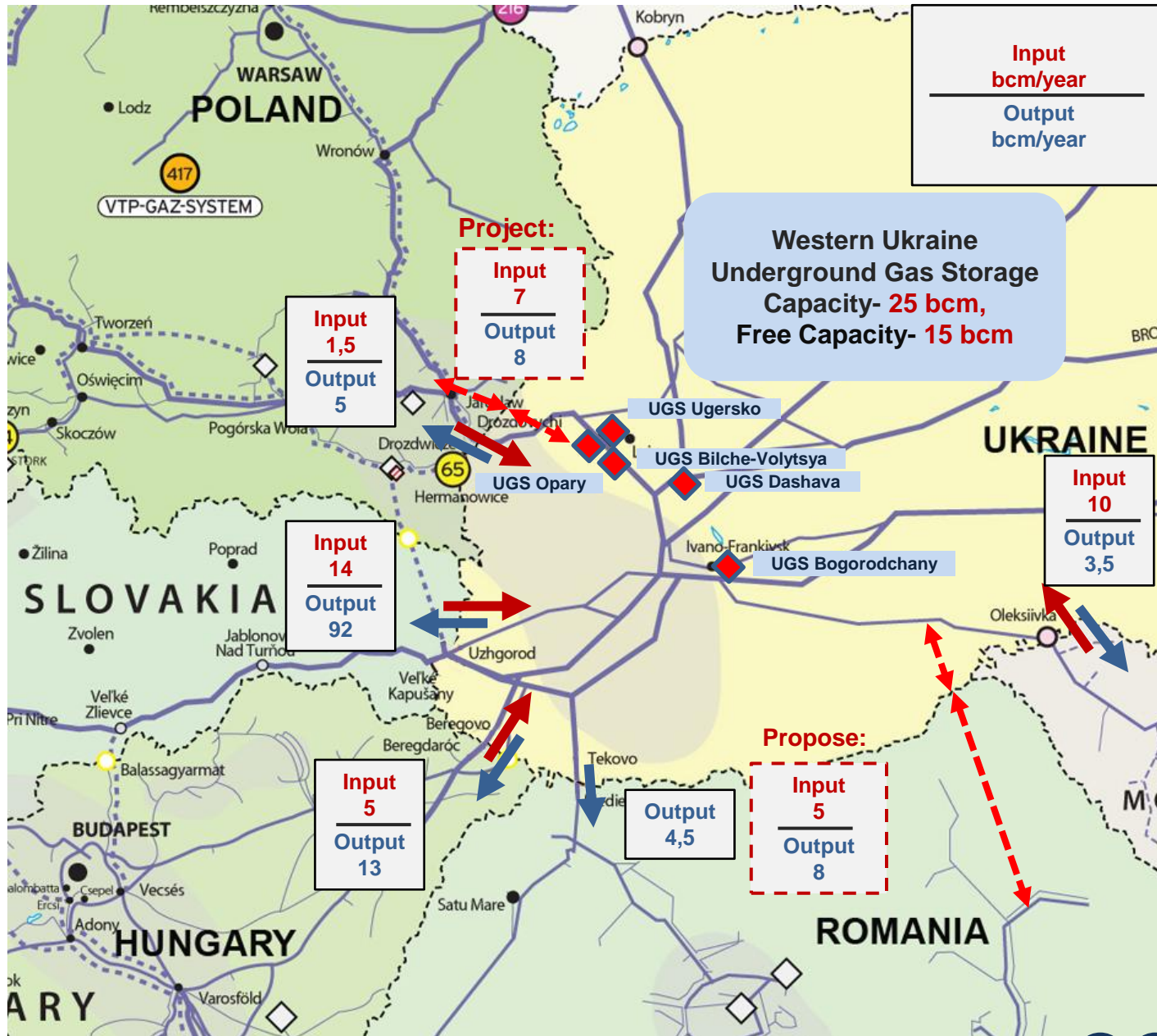
Total cost of the project  
245 million dollars



# The integration of interconnector Ukraine-Poland to the North-South Corridor



## Project development of East European Gas Hub



Thank for you **attention**

