



Romanian International  
Gas Conference  
6<sup>th</sup> Edition

Redesigning Security of Supply:  
The Potential of Emerging Technologies for a Sustainable  
Energy Transition



MINISTRY OF ENERGY

# Rethinking traditional energy sources and routes of supply

Dmytro Lyppa  
CEO GTSOU

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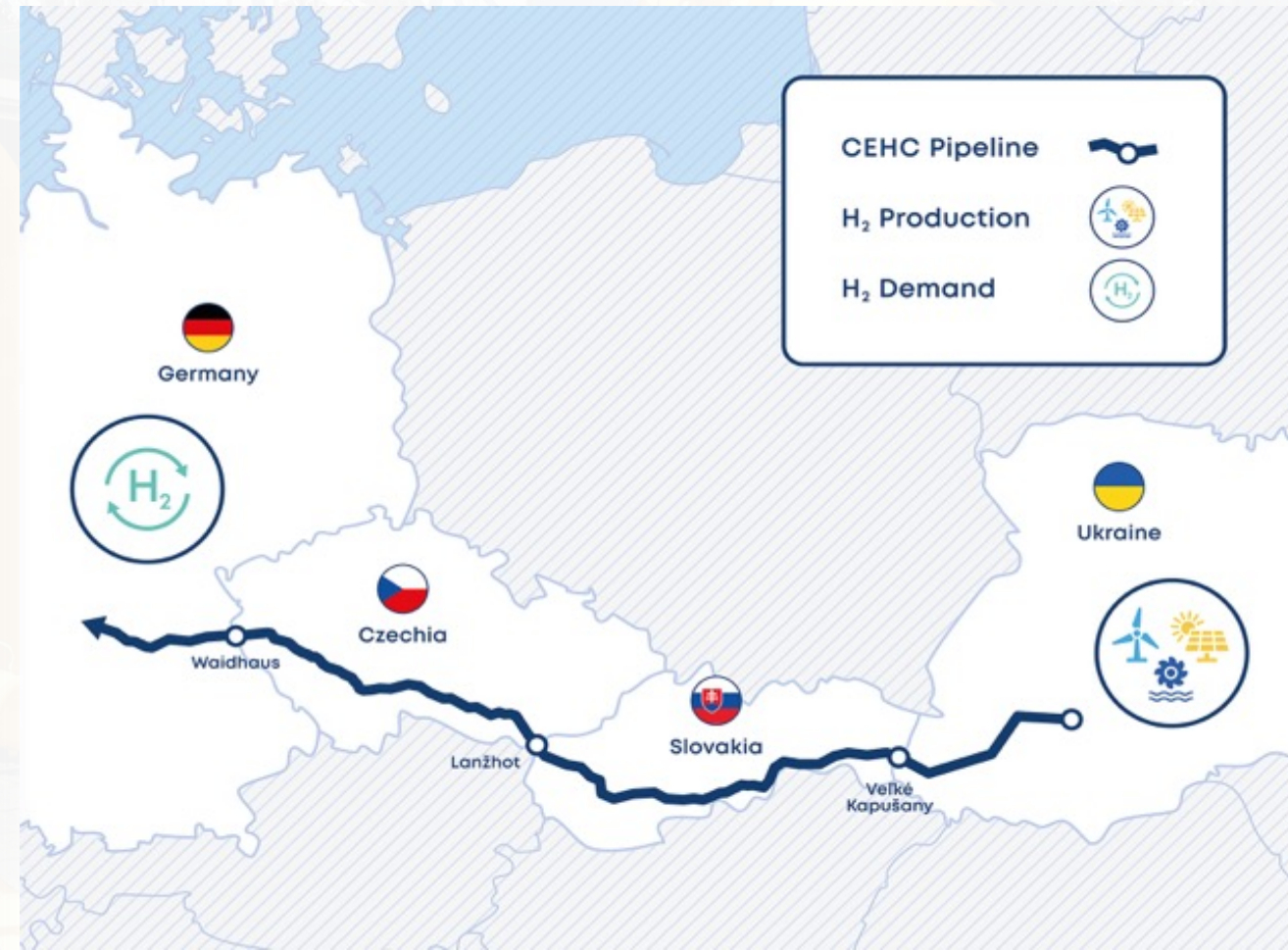
 BlackSea  
oil & gas

# Ukraine explores hydrogen production potential

**GTSOU, EUSTREAM, NET4GAS and OGE work together to create the Central European Hydrogen Corridor — HyCenral (CEH<sub>2</sub>C)**

## Potential clients for Ukrainian H<sub>2</sub>:

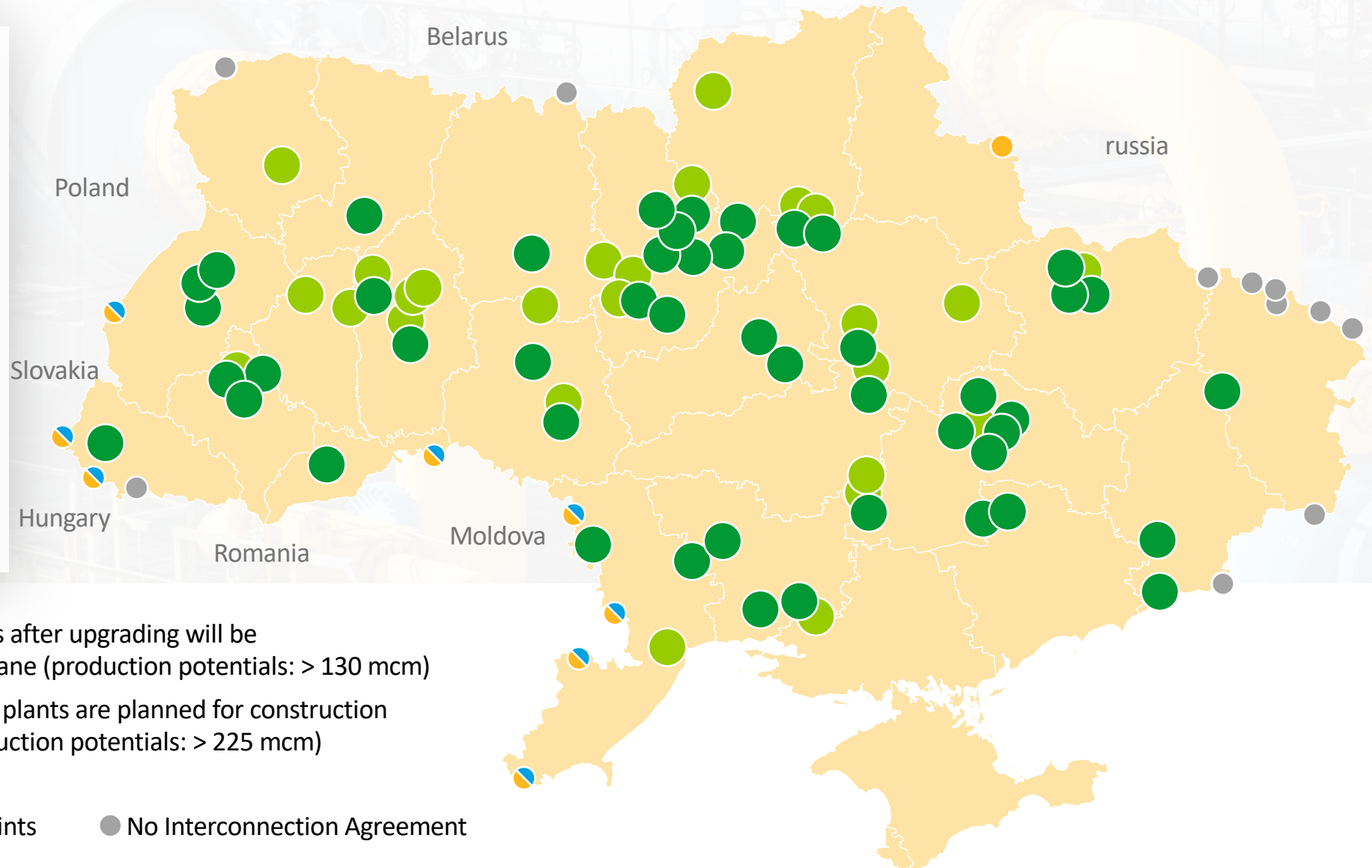
- US Steel Kosice — metallurgical plant (Slovakia) plans to replace the blast furnace with a DRI system, which can use hydrogen.
- Grupa Azoty S.A. — the largest chemical concern in Poland
- Uberty Galati — metallurgical plant (Romania) plans to install DRI units, which can use hydrogen



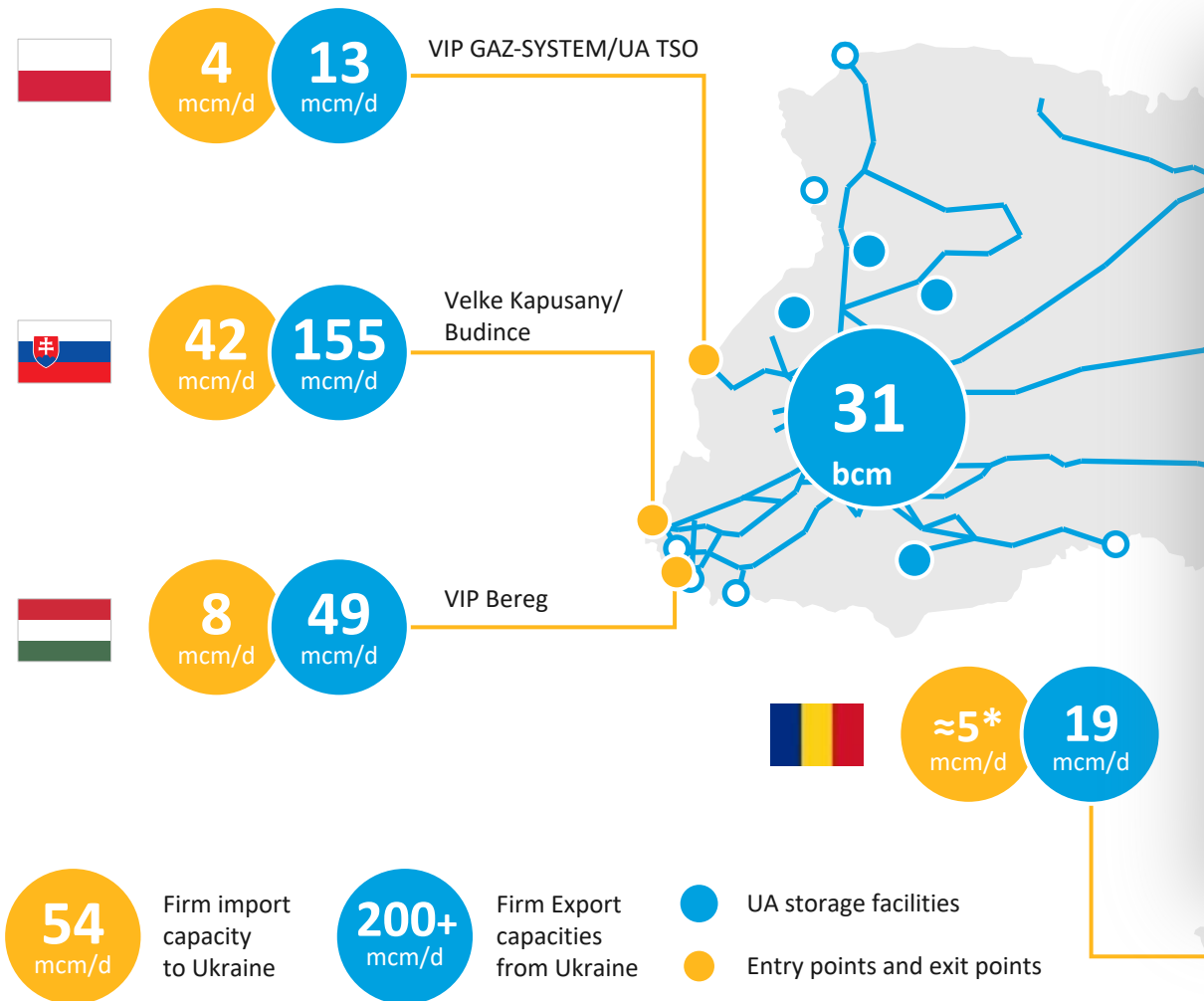
# Ukraine develops own biomethane production

## In 2023:

- The first biomethane plant connected the distribution grid
- The first commercial agreement on biomethane transportation signed



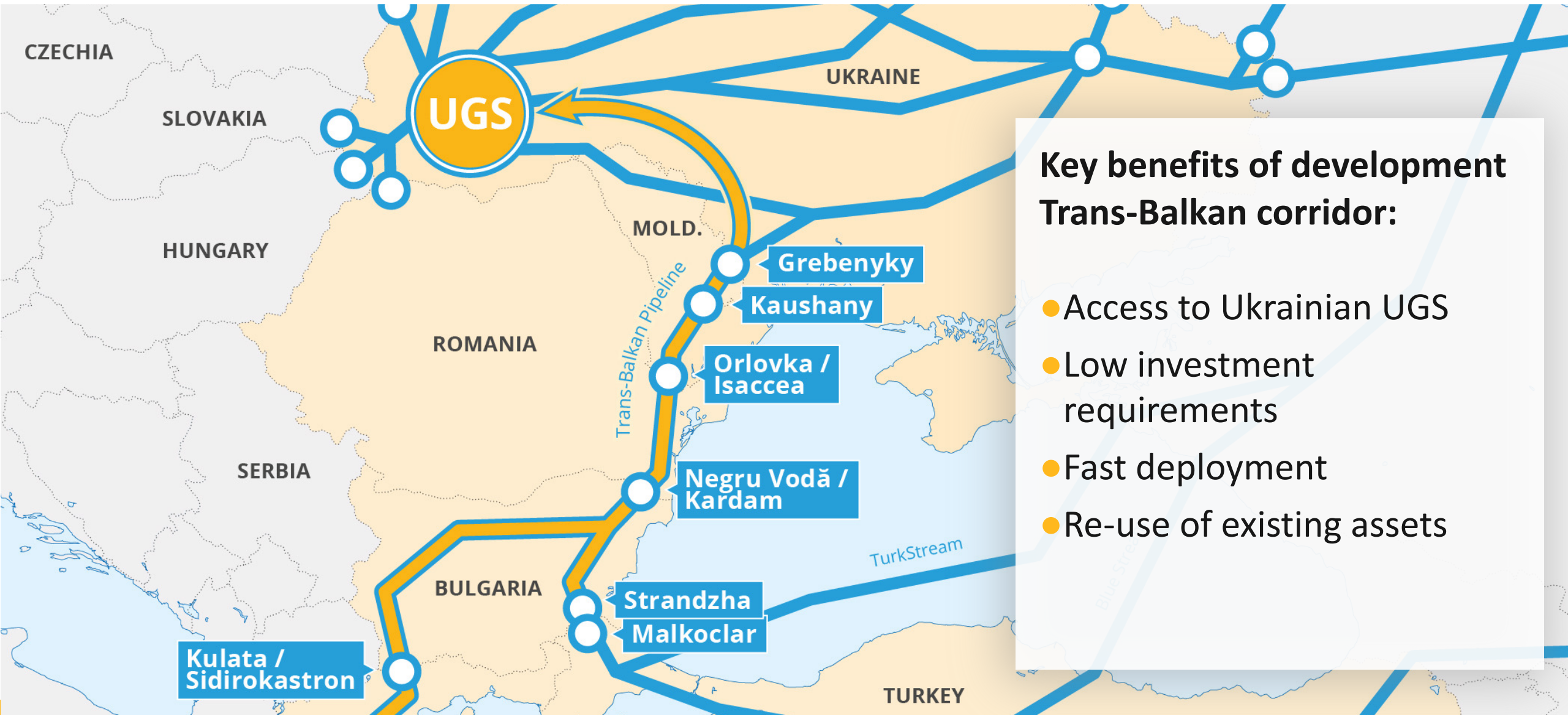
# Ukrainian GTS provides flexibility to facilitate green transition



- Extensive spare capacities of entry/exit cross-border IPs with 4 EU countries and Moldova
- Powerful underground gas storages at competitive prices
- Infrastructure in place to create capable bridge between South-Eastern Europe and Central Europe

\* Use of the Trans-Balkan route requires booking the capacities of MD GTS. Indicated capacities of virtual reverse.

# Rethinking Trans-Balkan corridor can strengthen security of gas supply in the region



## Key benefits of development Trans-Balkan corridor:

- Access to Ukrainian UGS
- Low investment requirements
- Fast deployment
- Re-use of existing assets