



CZECH HYDROGEN BACKBONE

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H2 Fórum 2026 Moravskoslezského kraje, 30.9. – 1.10.2026

Hydrogen Backbone Infrastructure projects of NET4GAS

Key facts and status



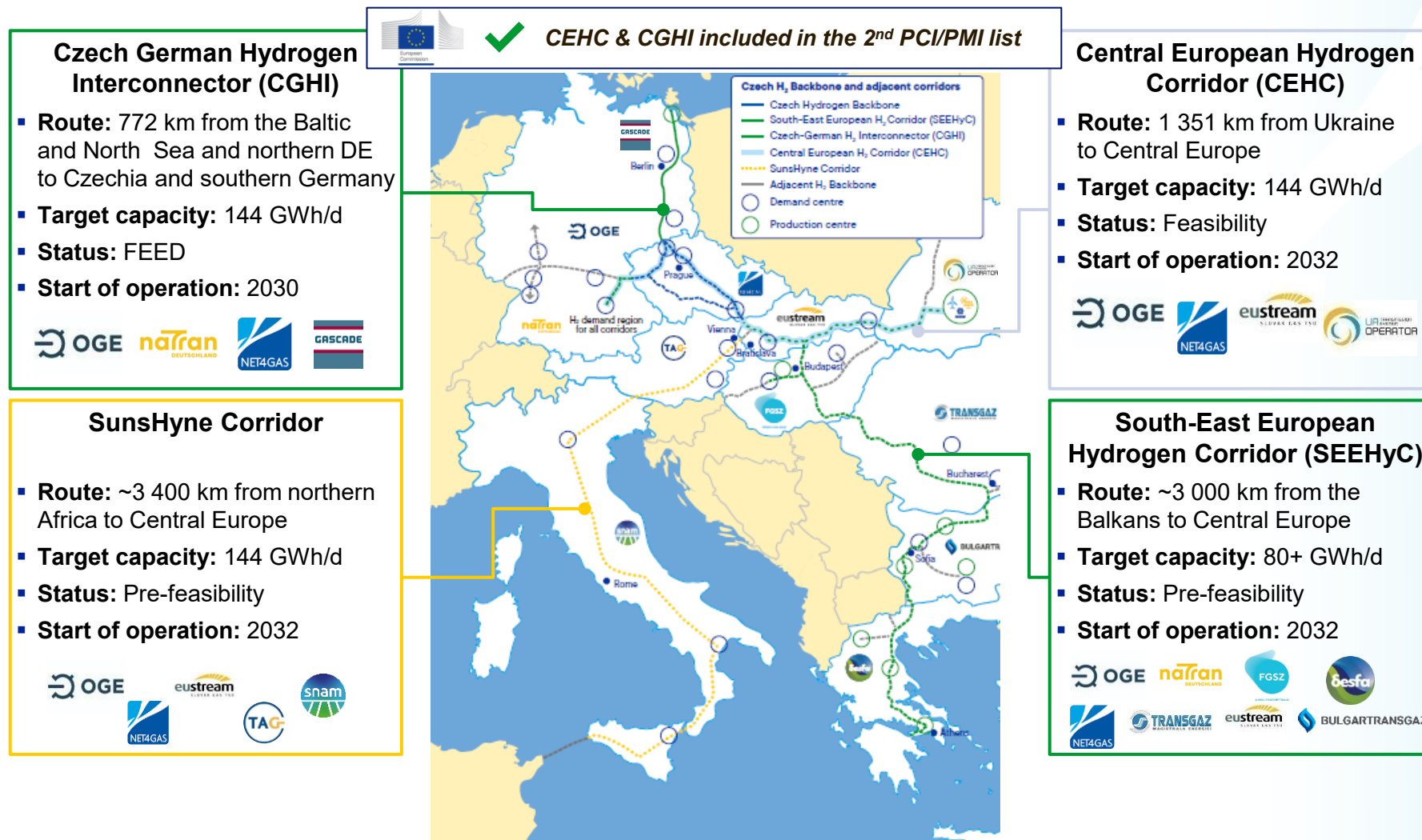
 Co-financed by the Connecting Europe Facility of the European Union

Why repurposing?

- 100 % of the Czech Hydrogen Backbone will be built by **repurposing existing gas pipelines**.
- Existing assets successfully passed H₂ **compatibility** assessments and tests.
- Repurposing **reduces environmental impact and investment costs** compared to new-build infrastructure.
- Modifications are needed primarily for **above-ground technologies only**.

	CZ H2 backbone infrastructure WEST	CZ H2 backbone infrastructure NORTH
Start of operation	12/2030	12/2032
Capacity (GWh/d)	144	144
Bidirectionality Repurposing (%)	YES; 100 %	YES; 100 %
Pipeline diameter (mm)	DN1400	DN1000
Length (km)	163	381
PCI 2025	Yes, code: 10.2.1	Yes, code: 10.5.2
CEF subsidy	EUR 127 ths. (biological survey, permit design)	--
Completed	✓ EIA, Natura 2000 positive statements ✓ Basic design ✓ Documentation for construction permit ✓ Biological assessment	✓ EIA, Natura 2000 positive statements ✓ Basic design ✓ Biological assessment
Ongoing works	➤ Statements on permit design and application to building authority	➤ Documentation for construction permit
Next steps	➤ Tender design – material and construction works	➤ Statements on permit design and application to building authority

CZ and NET4GAS: Key players in the emerging EU H₂ economy developing 4 international H₂ corridors





Thank you!

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