

Disruptive Workshop

Energy crisis

25 February 2022

10.00 - 12.30 CET

Roundtables

Today's discussions

10.00-10.10 | Welcoming remarks

Torben Brabo | Gas Infrastructure Europe

10.10-11.00 | Panel discussion A clear infrastructure policy is more vital than ever

Moderated by Dr Leigh Hancher | Baker Botts

- Philippe Vassilopoulos | EPEX SPOT
- Felicia Mester | Hydrogen Europe
- Ralph Bahke | Gas Infrastructure Europe
- Alex Barnes | Global Gas Centre

11.00-11.30 | Business game

Christopher Andrey | Artelys

11.30-12.20 | Panel discussion Storage capabilities towards the 2050 carbon neutrality objective

Moderated by Carole Mathieu | French Institute of International Relations

- Thierry Bros | Sciences Po Paris
- Gergely Molnár | International Energy Agency
- Christopher Andrey | Artelys
- Dr Axel Wietfeld | Gas Infrastructure Europe

12.20-12.30 | Closing remarks

Camille Bonenfant-Jeanneney | Gas Infrastructure Europe

10.10 - 11.00 | Panel discussion

A clear infrastructure policy is more vital than ever



Dr Leigh Hancher

Baker Botts



Philippe Vassilopoulos
EPEX SPOT



Ralph Bahke
Gas Infrastructure Europe



Alex Barnes
Global Gas Centre

Disrupting our business:

Building a green energy system with gas infrastructure



Where we come from

Gas infrastructure operators have guaranteed safe and reliable transport, storage and import of Natural Gas for decades

The world has turned further:

- EU Green Deal: full decarbonization by 2050
- Need to integrate electricity and gas systems
- Renewable and low-carbon gases need to be transported, stored and imported
- **We are committed to fulfil this task**



Repurposing – a concrete project example: Reallabor „Energiepark Bad Lauchstädt“

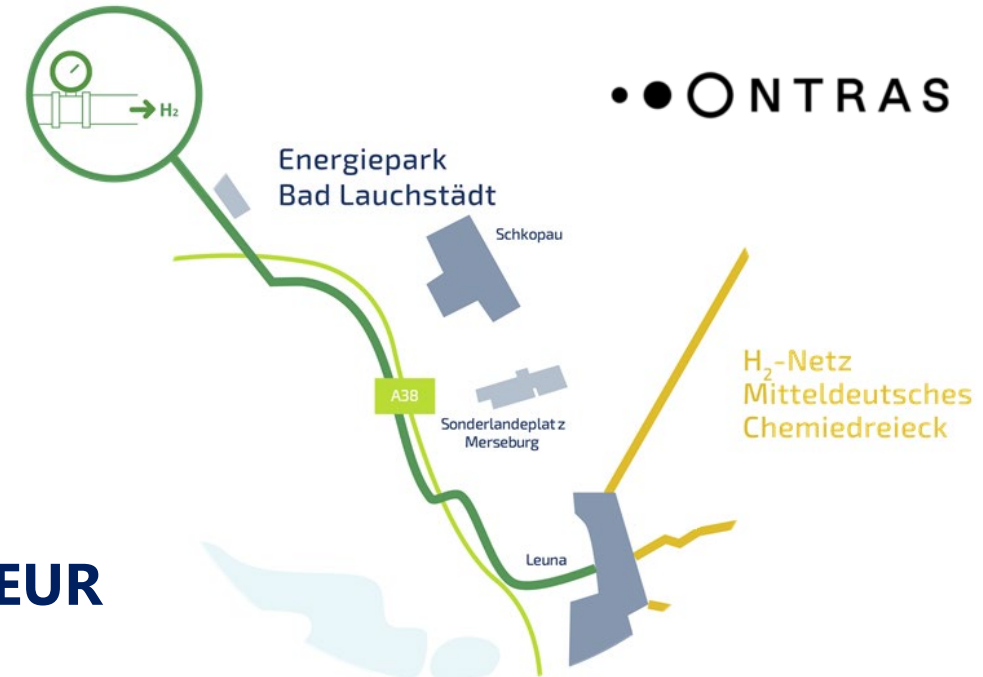


Data & Facts

- Total length: 20 km
- DN 500 / DP 63 bar
- Planned DP for hydrogen transportation: 30 bar

Costs

- Estimated costs: **7,5 Mio EUR**
- A comparable newly-built system would cost: **33 Mio EUR**



The repurposing of this existing natural gas pipeline for the transportation of hydrogen is **80% less** than the construction of a newly-built system.

Our policy asks:

Creating a regulatory framework for hydrogen infrastructure that enables gas infrastructure operators to build hydrogen infrastructure

- Utilize experience and knowledge from existing infrastructure operators to build infrastructure for hydrogen**
- Facilitate efficient transfer of assets between gas and hydrogen activities to exploit synergies as well as cost- and time advantages**
- Existing proven unbundling models (OU, ISO, ITO) should be extended to the hydrogen market, guaranteeing a level playing field across the Member States**
- Reasonable system of tariffication to build up the hydrogen system**
- Accelerate existing network planning tools to speed-up hydrogen market ramp-up**



Gas Infrastructure Europe

GIE is the association of the gas infrastructure operators of Europe active in transmission, underground storage, and LNG terminals. It represents around 70 member companies from 26 countries. GIE members work and innovate with renewable and low-carbon gases to allow European citizens to benefit from a secure, efficient, and sustainable energy supply. By 2050, they could become the backbone of the innovative and decarbonised energy system.

www.gie.eu | gie@gie.eu

Avenue de Cortenbergh, 100 – 1000 Brussels

T +32 2 209 05 00



[gas-infrastructure-europe-gie](https://www.linkedin.com/company/gas-infrastructure-europe-gie)



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