Hydrogen Transition: Why the EU gas infrastructure is essential

Gas Infrastructure Europe

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Gas Infrastructure Europe: supporting the blooming of H2

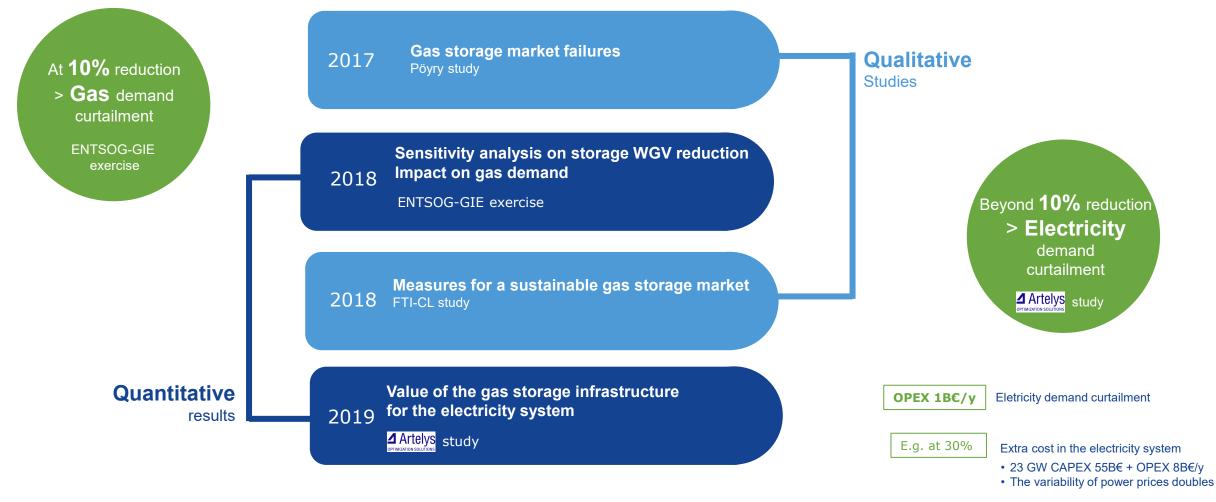
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- 70 members 26 EU countries
- Pipelines, underground storages and LNG terminals
- Provides more than 50 000 jobs in the EU
- Responsible for almost 25% of EU's primary energy consumption
- Ensures energy security while delivering climate neutrality by 2050
- it is crucial to support the deployment of lowcarbon & renewable H2 technologies. GIE members are <u>developing several key pilot</u> projects in the EU



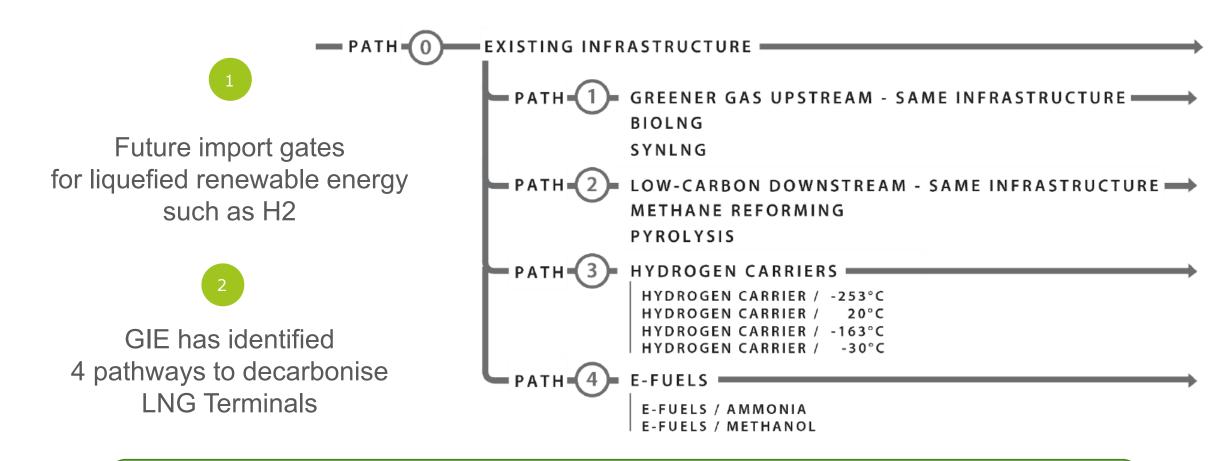
Gas storages, a cross-sectoral flexibility tool



Artelys study



LNG Terminals: the entry door to liquified H2



Stay tuned – 2 studies on the way:

1. Regulation – barriers and policy actions to unlock the potential of the pathways

2. Technical – what are the challenges and costs to make the pathways a reality



To release H2 potential, GIE calls for:

- A **common terminology** via clear, accurate & science-based definition of renewable & low-carbon gases, including H2
- A set of national binding consumption targets for renewable & low-carbon gases, including H2, which consider technological developments of Member States
- An **EU-wide credible documentation of the green value of renewable & low-carbon gases**, including H2, such as Guarantees of origin (GOs), with a technology-neutral approach & compatible with the EU ETS
- The adjustment of levies, grid charges & taxes to reflect societal benefits provided by the gas infrastructure & the avoidance of double charging
- The **need for a coordinated network** planning, including storage, to **optimise the costs** of the energy transition
- The amendments of relevant EU legislation (e.g. TEN-E regulation) to enable network owners to operate several categories of gases, including H2,
 & providing them with incentives to adapt their infrastructures to cope with the coexistence of different gases
- The **alignment of the Hydrogen Strategy** with upcoming policy measures, particularly the **Strategy for Energy System Integration** & the **sustainable finance taxonomy**, to ensure a fully integrated market in view of the development of renewable & low-carbon gases, including H2
- The **upcoming Offshore Wind Strategy** as an opportunity to rework how overall system efficiency gains can be achieved by looking at the optimal way to bring hydrogen from supply source to demand area (i.e. offshore conversion).

Thanks!



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