



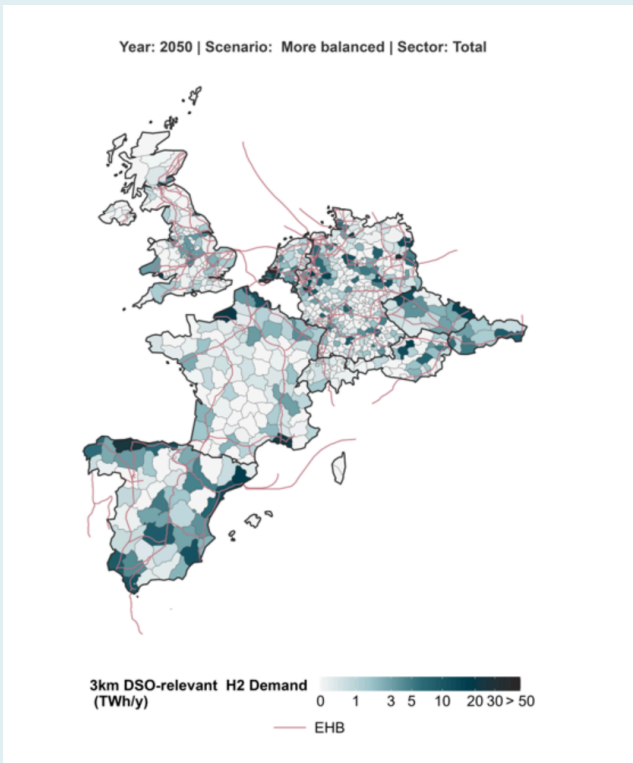
ready4H₂

Empowering the energy transition with hydrogen in the distribution grids



The delivery of hydrogen using distribution grids is non-negotiable

By 2050 at least half of Europe's hydrogen demand will be located over 3km away from the European Hydrogen Backbone. Distribution grids will connect industry, transport and households, as shown in our latest report.



The need for hydrogen to be supplied by distribution grids grows strongly over time across all sectors, driven by the large geographical dispersion of customers.

Regulatory and economic certainty will assist the business case for hydrogen distribution



Our latest report summarises the support needed to make the business case for hydrogen distribution.

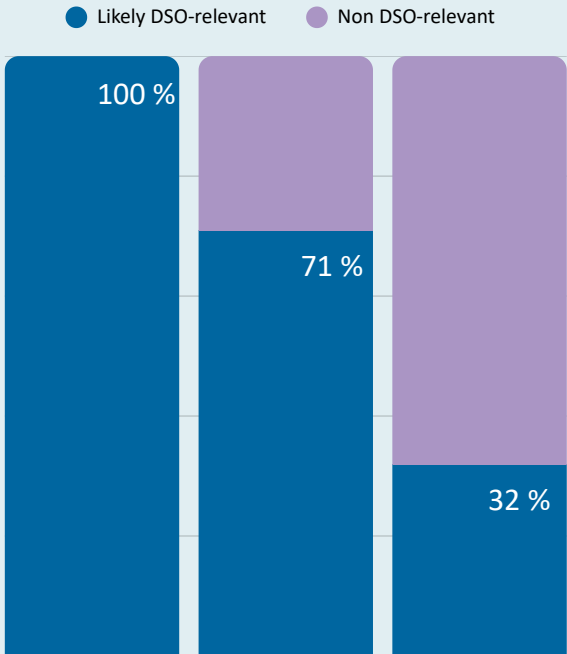
www.ready4h2.com/reports



We need:

- A coordinated, fit-for purpose regulatory framework throughout Europe.
- Clarity in areas such as tariffs, grid access, connection rules and networking planning.
- Policy and regulations should be technology agnostic and support all feasible decarbonisation pathways.
- Visible security of supply and forecasting.
- Network development plans that are integrated between gas and electricity.

By 2040 at least half the hydrogen demand in all sectors will be supplied by a distribution pipeline



Industry – large, medium & small

71% of H₂ demand will be supplied by a distribution pipeline.

Transport

32 - 46% will be supplied by a distribution grid.

Household & Buildings

100% of demand in buildings will be supplied by distribution grids. Demand is expected to rise to 200 TWh.

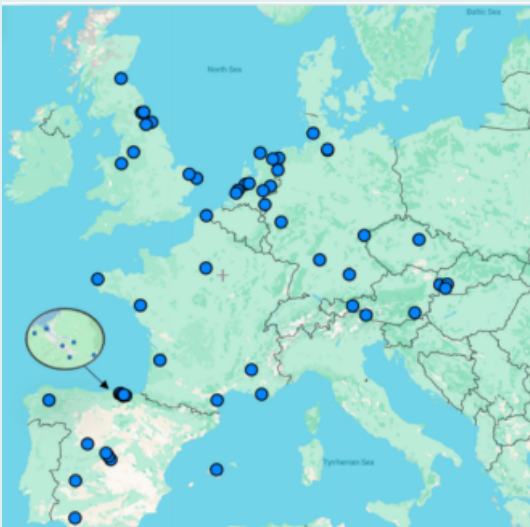
Prerequisites for hydrogen in distribution grids are in place

Ready4H2 has developed a **Transformation Roadmap** to convert grids to hydrogen: market development, network conversion and delivery at scale.

Repurposing is a financially attractive option: Converting grid pipelines costs 7% compared to building new and gas pressure reduction/metering stations 52%. The operators are well underway in all areas.

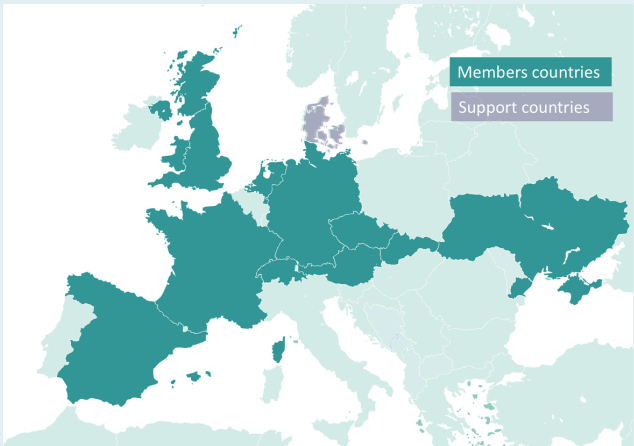
Gas distribution grids offer remote regions a pathway to deliver hydrogen produced locally to consumers over large areas.

50+ projects are proving the feasibility of hydrogen distribution: **32%** already **completed**.



Who we are

Ready4H2 coordinates the hydrogen expertise and knowledge across more than **60 European gas distribution grid operators and national organisations in 10 European countries**. We create a shared understanding of how distribution networks can drive hydrogen growth.



Contact details

c/o ERIG
Rue Belliard 40
1040 Brussels
Belgium

info@ready4h2.com

<https://www.ready4h2.com>