

# What are the EU hydrogen energy base stations







#### **Overview**

What is the hydrogen infrastructure map?

The updated (May 2024) Hydrogen Infrastructure Map is now available online show mapping how the European infrastructure evolves across countries and sectors for hydrogen distribution, transmission, import terminals, storage, demand and production towards 2030, 2040 and 2050. Our H2 Storage projects "HyStorage" and "H2 Krummhörn" are par.

What is the European hydrogen backbone?

The European Hydrogen Backbone creates an opportunity to accelerate decarbonisation of the energy sector by efficiently integrating substantial volumes of additional renewable and low-carbon energy into the system and by connecting regions with abundant supply potential with centres of demand.

When will the hydrogen infrastructure map be available online?

May 30, 2024 The updated Hydrogen Infrastructure Map is now available online. Discover how the European infrastructure evolves across countries and sectors for hydrogen distribution, transmission, import terminals, storage, demand and production towards 2030, 2040 and 2050.

How often should the hydrogen infrastructure map be updated?

The involved associations are committed to facilitating updates to the Hydrogen Infrastructure Map twice a year, to ensure that it is a 'living' map comprising the most up-to-date status of the hydrogen projects network. The next update is planned for Q4 2024.

Does EU policy address limited green hydrogen resources?

At present, European Union (EU) policy is not targeted enough to ensure that limited green hydrogen resources are used effectively. For the first time, Global Energy Monitor (GEM) offers one of the most comprehensive overviews



of the intersection between the proposed hydrogen network and existing European gas infrastructure.

Are Europe's Hydrogen plans based on a methane gas network?

The elements of Europe's hydrogen plans that build on its methane gas network appear, at best, out of touch with the science and economics of hydrogen, and, at worst, like an attempt by the oil and gas industry to extend the lifetime of Europe's dependency on gas.



#### What are the EU hydrogen energy base stations



# Amplifying Efforts to Lead Europe's Hydrogen Revolution

The European Union faces the dual global challenges of climate change and energy security, which are being addressed through the urgent ...

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#### **H2 Infrastructure Map Europe**

They serve as key cross-border infrastructure projects that link the energy systems of EU countries, aiming to enhance energy security,

#### European Hydrogen Infrastructure Map

The European Hydrogen Backbone creates an opportunity to accelerate decarbonisation of the energy sector by efficiently integrating substantial volumes of additional renewable and low ...

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## Europe Gas Tracker 2025: Hydrogen edition

If new "hydrogen-capable" infrastructure comes online without green hydrogen to supply it, or without green hydrogen that is cost ...



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#### European Hydrogen Infrastructure Map

The European Hydrogen Backbone creates an opportunity to accelerate decarbonisation of the energy sector by efficiently integrating substantial ...

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# Updated Hydrogen Infrastructure Map now identifies PCI/PMI ...

"The update of the Joint Hydrogen Infrastructure Map shows the ever-expanding network of hydrogen infrastructure to support the emerging hydrogen market for a ...

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# **China Energy Transition Review 2025**

China Energy Transition Review 2025 China's surge in renewables and whole-economy electrification is rapidly reshaping energy choices for the rest of the world, creating the ...



#### **Hydrogen Infrastructure Map**

The updated (May 2024) Hydrogen Infrastructure Map is now available online show mapping how the European infrastructure evolves across countries and ...

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# Europe Gas Tracker 2025: Hydrogen edition

If new "hydrogen-capable" infrastructure comes online without green hydrogen to supply it, or without green hydrogen that is cost-competitive, this infrastructure could lock in ...

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The map shows projects scheduled for 2030, 2040 and 2050. To date, the database comprises 160 production projects, 120 for transmission, ...

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#### <u>EU Hydrogen Strategy under the EU</u> <u>Green Deal</u>

The EU's hydrogen strategy lays out the European Commission's vision vis-à-vis hydrogen and its role as an energy carrier in a European integrated energy system. The Strategy considers ...





#### Find a Hydrogen Filling Station Europe

Hydrogen Filling Stations - Europe Discover the growing network of hydrogen refuelling stations across Europe, a key element in the transition to cleaner ...

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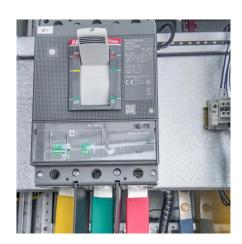
#### **Hydrogen Infrastructure Report**

Provide the reader with the most comprehensive overview of what hydrogen infrastructure means (including dispelling myths about it), outline the types of infrastructure we will need to roll out ...

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#### **H2 Infrastructure Map Europe**

They serve as key cross-border infrastructure projects that link the energy systems of EU countries, aiming to enhance energy security, sustainability, and efficiency.







#### **Hydrogen Mobility Europe**

H2ME stations deployed 45+ stations were planned as part of the project This EUR170 million demonstration project was co-funded with EUR67 million from the European Union's Horizon 2020 ...

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#### The European hydrogen policy landscape

The EHO database covers a total of 29 EU policies and legislations that directly or indirectly affect the development and deployment of hydrogen technologies. To achieve its net zero ambitions, ...

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#### Hydrogen Infrastructure Map: a realtime map of Europe's pipelines

The map shows projects scheduled for 2030, 2040 and 2050. To date, the database comprises 160 production projects, 120 for transmission, 60 for storage, 50 for ...

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#### Find a Hydrogen Filling Station Europe

Whether you are planning a cross-country journey or simply need a local refill, our comprehensive directory includes up-to-date information on station availability, ...







#### Düsseldorf Opens Europe's Most Powerful Hydrogen Refuelling Station

On 19 May 2025, H2 MOBILITY, together with Rheinbahn and Stadtwerke Düsseldorf, inaugurated Europe's most powerful hydrogen refuelling station at Höherweg in ...

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The EU is funding EUR422M for EV charging & hydrogen stations, adding 5,000+ chargers & 35 H2 stations across Europe to support clean ...

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# The European Hydrogen Strategy: What vou need to ...

The EU is facing challenges in meeting its carbon emissions reduction targets. Energy production and consumption accounted for 75% of ...



#### <u>Interactive map</u>, <u>European Alternative</u> <u>Fuels Observatory</u>

Recharging and refuelling stations map TENtec interactive mapTENtec is the European Commission's Information System to coordinate and support the Trans-European ...

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#### **Hydrogen Infrastructure Map**

The updated (May 2024) Hydrogen Infrastructure Map is now available online show mapping how the European infrastructure evolves across countries and sectors for hydrogen distribution, ...

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# EU: hydrogen stations every 100 km

The European Union (EU) envisions hydrogen stations every 100 km and recharge stations every 60 km by 2026. The goals outlined by the European Commission are less ...

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#### Find a Hydrogen Filling Station Europe

Whether you are planning a cross-country journey or simply need a local refill, our comprehensive directory includes up-to-date information on station availability, operating hours, and the types ...





# <u>Strengthening hydrogen infrastructure to support the ...</u>

In that respect a well-developed hydrogen infrastructure is crucial for setting up a hydrogen market. It is necessary to decarbonise "hard-to ...

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