



International Partnership  
for Hydrogen and Fuel Cells  
in the Economy

## *France* Update

43<sup>rd</sup> IPHE Steering Committee Meeting

10-11 June 2025

Santiago, Chile

# Announcements / New Initiatives *France*

- **Revision of the National hydrogen strategy published in April**
  - Reaffirming commitment to support decarbonized hydrogen sector
  - Targets reviewed to account for the reality check, still ambitious (4.5 GW by 2030 and 8 GW by 2035 of electrolysis capacity)
  - International component of the French strategy has been further developed
- Launch of the first stage for hydrogen production OPEX support mechanism (€4 Bn)
- New IPCEI support (Gen-Hy - AEM electrolyzer gigafactory - and Green Horizon - Yara Le Havre facility ammonia decarbonisation, led by Lhyfe)
- Relaunch of “Technological building blocks and demonstrators/IDH2” call for projects
- New call for projects for the deployment of utility hydrogen vehicles to succeed the “Local ecosystems” call for projects
- Support 4 FEED projects on SAF (€100 M)
- Native hydrogen exploration started

# Hydrogen and Fuel Cell R&D Update *France*

## Genvia enters the top 50 patent filers in France

- For the first time, two SMEs feature in the National Patents Institute's (INPI) top 50 patent filers: one of them is in the field of hydrogen.
- In 2024, as in previous years, Stellantis remains the largest patent filer in France. The CEA, CNRS, Air Liquide and IFPEN are also at the forefront.
- For the first time, two SMEs feature in the top 50 patent filers: **Genvia and Verkor**. Both are involved in gigafactory projects. Specialising in **high-temperature electrolysers**, the company run is pushing innovation to the limit before moving on to the industrial stage.  
80 patents have already been filed: 40 patents filed before its creation in 2021, and another 40 since.



# Demonstration, Deployments, Events Update *France*

- France authorises two exploration licences for natural hydrogen in the Nouvelle-Aquitaine region
- The Auvergne-Rhône-Alpes region steps up its hydrogen drive.  
The deployment of 16 intercity coaches retrofitted with hydrogen by GCK Mobility, a company based in Auvergne that specialises in retrofitting heavy vehicles, has just got under way
- The Provence-Alpes-Côte d'Azur region is testing a hydrogen-powered coach service between Marseille and Briançon, a first in Europe. On a single tank of fuel, this vehicle can cover no less than 1,000 kilometers
- 28 to 30 January 9<sup>th</sup> edition of Hyvolution Paris conference and exhibition



# Examples of Lessons Learned and Impact *France*

Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
RED III transposition	ongoing
<ul style="list-style-type: none"> <li>• 4<sup>th</sup> Gas package transposition</li> <li>• Low-carbon delegated act</li> </ul>	ongoing
HLF on standardisation	Priority to hydrogen production, transport, storage and end-uses

# France – Profile June 2025



## Status of Deployments

Estimate as of December 2024

- Electrolysers: 35 MW
- FCEVs: 1608
- FC Bus : 58
- Coaches: 13
- Trucks: 5
- Ships: 3
- Stationary FC: 124
- HRS: 80
- Direct jobs: 6 300
- GDP: €1b

## Leading Government Initiatives

- Revised National Hydrogen Strategy published
- IPCEI
- H2 production support mechanism launched
- Relaunch of IDH2 call for projects
- Support for FEED projects on SAF
- Native hydrogen exploration

## Goals or Focus Areas

- National hydrogen strategy update:
- Reaffirming commitment to support decarbonized hydrogen sector
  - International component of the French strategy further developed

## Deployment Goals

- 4.5 GW of electrolysers by 2030, 10 GW by 2035

## Funding

€9.1bn for 2021-2030



# Thank you



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