



International Partnership
for Hydrogen and Fuel Cells
in the Economy

France Update

41st IPHE Steering Committee Meeting

19 - 20 March 2024

New Delhi, India

Announcements / New Initiatives *France*

- **Revision of the national strategy for the development of decarbonized hydrogen**
 - **Public consultation opened from December 2023 until January 2024**
 - **Main topics opened to consultation**
 - **Electrolysis capacity target: 6.5 GW by 2030 and 10 GW by 2035**
 - **Scale-up of hydrogen transport infrastructure**
 - **Reaffirmed support mechanism**
 - **A strategy opened to the world**
 - **Focus on hydrogen-related technologies**
 - **Hydrogen contribution to the energy system flexibility: improving electrolyser's demand response**
 - **National integrated approach for the use of hydrogen in the mobility sector**
 - **Guarantee the framework conditions necessary for the development of the French hydrogen sector**
 - **Updated strategy expected in the upcoming months**

Announcements / New Initiatives *France*

- **R&D partnerships**
 - Elogen and Paris-Saclay University
 - Gen'Hy and Saint Gobain (AEM)
- IFP School launches a master's program dedicated to hydrogen
- Auvergne-Rhône-Alpes region launched Imaghyne project
- 16 retrofitted coaches to FCEV delivered to the Auvergne-Rhône-Alpes region
- Inauguration of Symbio's gigafactory
- Sealhyfe project results made public
- Hyvolution Paris
- Ministerial decision on the research permit for native hydrogen
- Publication of the tax exemption for the use of renewable energy in transport sector decree

France – Profile March 2024

Status of Deployments

- ✓ Electrolysers: 30 MW
- ✓ FCEVs: 955
- ✓ FC Bus : 59
- ✓ Forklifts: 325
- ✓ Ships: 2
- ✓ Direct jobs: 6 400
- ✓ HRS: 69

Leading Government Initiatives

- ✓ National Hydrogen Strategy under revision
- ✓ Important Project of Common European Interest
- ✓ Climate-Energy strategy
- ✓ Decree concerning the tax exemption for the use of renewable energy in transport sector

Goals or Focus Areas

- National hydrogen strategy update:
- ✓ Same focus areas (industry and heavy-duty transport decarbonization, R&D)
 - ✓ Infrastructure scale-up
 - ✓ Support the emergence of a global trade for hydrogen

Deployment Goals

By 2028

- Vehicles: 20,000 – 50,000 (under previous H₂ strategy)
- FC Bus and trucks: 800 - 2,000 (previous H₂ strategy)
- HRS: 400 - 1,000 (under previous H₂ strategy)
- 20-40% of decarbonised H₂ (under previous H₂ strategy)
- 6.5 GW of electrolysers by 2030, 10 GW by 2035

Funding

€9.1bn for 2021-2030

Thank you



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