



International Partnership
for Hydrogen and Fuel Cells
in the Economy

Germany Update

41st IPHE Steering Committee Meeting

19 - 20 March 2024

New Delhi, India

Announcements / New Initiatives *Germany*

Policies/Initiatives

The **hydrogen import strategy** announced within the update of Germany's National Hydrogen strategy in 2023 is currently **under development** and expected to be published by mid-2024.

In December 2023, Germany published its **Strategy for Foreign Climate Policy**. The strategy regards hydrogen as a central point of several activities and priorities.

New Research & Development

BMDV approved **R&D funding over 73,4 million EUR** for 18 projects in late 2023 (incl. intralogistics, hydrogen supply, buses, ships, rail, aviation, components & systems).



Announcements / New Initiatives *Germany*

Investments/Funding

In February, the EU COM approved the first funding round of so-called “**Carbon Contracts for Difference**”. The first funding round will auction a funding of up to €4 billion.

In March, essential elements of a new **Power Plant Strategy** have been decided. The strategy foresees tenders for up to 10 GW hydrogen-ready gas-fired power plants.

In December of 2023, GER announced that it would allocate €350 million to the **domestic leg of European Hydrogen Bank** pilot auction through its „auctions as a service“ scheme. The auction closed on 8 February 2024.



Announcements / New Initiatives *Germany*

Investments/Funding

In February, the EU COMM approved an **Hy2Infra IPCEI** batch including 24 German projects, for a total public funding volume of €4.6 billion. Private investments of €3.4 billion have been announced for said projects, of a total volume €8 billion. The projects mostly concern electrolysers but also pipelines, storage, and terminals.

BMWK substantially topped up the **Green Hydrogen Fund at the European Investment Bank** at the end of 2023. The funding includes investment grants and technical assistance to support green hydrogen and/or its derivative projects (production, transport, storage, and off-take).



Announcements / New Initiatives *Germany*

Demonstration and/or Deployment Activities

The draft for the German “**Hydrogen Core Network**” were published and comprises 9700km of transmission hydrogen pipelines.

In February, construction work began at the **combined gas-turbine cycle power plant of Heilbronn**. The new CCGT plant is able to co-fire 20 percent hydrogen by design. The plant has an electrical rated capacity of 710 MW and a heat rated capacity of 190 MW.

Germany – Profile March 2024

Status of Deployments

Application	Capacity (2024)
Electrolyser	64 MW ⁽¹⁾
Stationary FC	1063 ⁽¹⁾
FC Trucks	120 ⁽¹⁾
FC Busses	127 ⁽¹⁾
FC Forklifts	180 ⁽¹⁾
FC Cars	2364 ⁽¹⁾
Operational refueling stations	87 ⁽¹⁾

Leading Government Initiatives

- IPCEI
- H2Global
- National core H2 network
- Climate protection contracts (CCfDs)
- EHB auction funding participation
- REDII implementation
- AFIR implementation

Goals or Focus Areas

- Availability of hydrogen
- Infrastructure
- Implementing applications in industry, transport and power
- Framework conditions

Deployment Goals

10 GW electrolysis capacity by 2030 in Germany
 45-90 TWh imports of hydrogen or derivatives by 2030

Funding

Various programs and mechanisms (see initiatives)

As of ¹February 2024



Thank you



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