



International Partnership  
for Hydrogen and Fuel Cells  
in the Economy

## *Germany* Update

38<sup>th</sup> IPHE Steering Committee Meeting  
29 – 30 November 2022  
San José, Costa Rica

# Announcements / New Initiatives *Germany*

## Investments/Funding/Policies/Initiatives

- **Update of National Hydrogen Strategy** (planned for end of 2022): The National Hydrogen Strategy shall be updated in an ambitious manner to enable a swift market ramp-up.
- At COP27, Chancellor Olaf Scholz confirmed that Germany is planning to invest over four billion EUR [4.16 billion USD ] into the H2Global instrument.
- The HyPerformer category of the BMDV's HyLand regional funding competition is now entering its second round. A total of **45 million euros** in funding is available for creating local hydrogen ecosystems.
- **PtX Growth Fund & PtX Development Fund:** Investment cost subsidies (approx. 300 million euros) to leverage loan financing of green H2 projects outside the EU (with participation of GER companies). The PtX Development Fund (approx. 250 million euros) focuses complementarily on investments to strengthen local H2 value creation in Official Development Assistance-eligible countries.

# Announcements / New Initiatives *Germany*

## New Research & Development, Demonstration and/or Deployment Activities

- In September, the Abu Dhabi National Oil Company (ADNOC) shipped its first ever shipment of low-carbon (blue) ammonia to Hamburg, Germany.

## Key Collaborations

- Germany and Canada signed a declaration of intent on a **German-Canadian Hydrogen Partnership** in August in Stephenville, Newfoundland and Labrador.
- In October, Dutch Prime Minister Mark Rutte and Chancellor Olaf Scholz announced that the Dutch government is planning to participate financially in the H2Global initiative.

# Numbers of Deployment and Infrastructure – *Germany*

Transportation	Target Number	Current Status	Partnerships, Strategic Approach	Support Mechanism
Fuel Cell Vehicles		2,049 (Nov. 2022)		Subsidy for purchase for fleets (NIP II 3rd Call) incl. construction of refueling infrastructure.
FC Bus		71 (Nov. 2022)	Joint procurement in Europe, funded by JIVE, FCH-JU and NIP I and II	Subsidy for purchase (NIP II call 2018) incl. construction/installation of refueling infrastructure. New funding guideline for procurement of vehicles and infrastructure since 2021 in place. Duration 2021-2025. Two calls already happened.
Fuel Cell Trucks		29 (Nov. 2022)		R&D activities of NIP. New funding guideline for procurement of vehicles and infrastructure since 2021 in place Duration: 2021-2024. Two calls already happened.
Forklifts		180 (Nov. 2022) plus 152 in implementation	Industry Network Clean Intralogistics Net (CIN)	NIP market activation, additional procurement call.
H <sub>2</sub> Refueling Stations	Target Number	Current Status	Partnerships, Strategic Approach	Support Mechanism
70 MPa Delivered	100 by 2020 (basic network)	95 (Nov 2022) plus 8 in planning or under construction	H2 Mobility, others	Subsidy for construction/ installation for publicly accessible stations for road transport.
35 MPa Delivered	400 by 2025; 1000 by 2030 (depending on vehicle roll out)	12 in operation + 5 in optimization mode (refueling already possible, but not yet officially opened), 10 in planning or under construction	H2 Mobility, others	Subsidy for construction/ installation for publicly accessible stations for road transport.



# Numbers of Deployment and Infrastructure – *Germany*

Stationary	Target Number <sup>16</sup>	Current Status	Partnerships, Strategic Approach	Support Mechanism
Small	No target	20,810 units approved for funding (2016 through August 2022)		KfW programme 433 of the Federal Ministry for Economic Affairs and Climate Action (BMWK), a combination of fix rate and capacity-related subsidies.
Telecom backup	No target	850 (Nov. 2022) plus 608 in implementation	Industry Network Clean Power Net (CPN)	Subsidy for procurement (NIP II call).
H <sub>2</sub> Production	Target <sup>17</sup>	Current Status	Partnerships, Strategic Approach	Support Mechanism
Water Electrolysis (PEM, Alkaline, SOEC)	10 GW by 2030. (pledged by new government)	78 MWeI plus >2 GWeI planned or proposed as part of IPCEI		Various support schemes.



# Thank you



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