



International Partnership
for Hydrogen and Fuel Cells
in the Economy

The Netherlands Update

38th IPHE Steering Committee Meeting
29 – 31 November 2022
Costa Rica

Announcements / New Initiatives *The Netherlands*

Investments/Funding/Policies/Initiatives

- June 2022: FID for Holland Hydrogen I, 200 MW, in Port of Rotterdam, by Shell
- September – November 2022: certification pilot
- October 2022: first H2 guarantee of origin issued by HyXchange consortium
- Nov 2022: Temporary framework to allows network operators to participate in h2 pilots for built environment (for a period of five years)
- November 2022: publication of new roadmap of National Hydrogen Programme
- November 2022: €43 million through Invest International for H2 development Namibia
- November 2022: €22 million for HRS, in particular for heavy duty vehicles

Announcements / New Initiatives *The Netherlands*

Key Collaborations

- Joint statements on import-export supply chains with Portugal (2020) Chile, Uruguay, Namibia, Canada (2021) , UAE and Oman (2022)
- October 2022: expression of interest by Minister Jetten to join H2Global
- November 2022: presentation of paper on offshore h2 production at North Seas Energy Cooperation in Brussels
- Monitoring North-West European hydrogen market (CEM H2I-IEA)
- COP27 / Mission Innovation: share Dutch h2 valley experience

The Netherlands – Profile November 2022

Status of Deployments

- Start upscaling phase of green hydrogen production (realizing 1-20 MW electrolysis)
- Deployment in transport: passenger cars, buses and trucks and first experiences with other applications (trains, ships, etc)
- Kick starting clean hydrogen market – regulating and roll out of transport infrastructure (H2 backbone)

Leading Government Initiatives

- Hydrogen National Programme
- IPCEI
- National Growth Fund
- National Climate Fund
- Various financial instrument for pilots/demonstration and scale-up projects

Goals or Focus Areas

- Upscaling green hydrogen production & reducing costs
- Infrastructure development (Hydrogen backbone)

Funding

- € 880 million Research and Development (Groenvermogen I & II)
- +€ 1.5 billion infrastructure
- € 15 billion Climate Fund
- € 100 mln subsidy per year for innovative projects (DEI+, etc)

Deployment Goals

- 4GW electrolysis in 2030, 500 Mw in 2025
- In 2025: 50 tank stations, 15.000 FCEVs en 3.000 heavy duty vehicles
- Pilot projects to enable use of hydrogen for urban heating by 2030

Thank you



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