



International Partnership
for Hydrogen and Fuel Cells
in the Economy

Saudi Arabia Update

43rd IPHE Steering Committee Meeting
10-11 June 2025
Santiago, Chile

Announcements / New Initiatives *Saudi Arabia*

- **Investments/Funding/Policies/Initiatives**
- Finalized the national clean hydrogen strategy
- Designated a national champion for renewable-based hydrogen (green hydrogen)
- Allocated 1,000+ km² of land for renewable-based hydrogen (green hydrogen)
- Allocated additional natural gas and carbon dioxide storage capacity for natural gas-based hydrogen (blue hydrogen) projects
- Established a regulation task force and started the development of clean hydrogen regulations in Saudi Arabia

Announcements / New Initiatives *Saudi Arabia*

- **New Research & Development, Demonstration and/or Deployment Activities**

- Completed three hydrogen mobility pilot projects across three different terrains, covering hydrogen buses and light-duty vehicles. The from these pilots are utilized in the development of regulation and standards.
- Provided dedicated funding of over 10 million USD to support R&D in innovative hydrogen technologies, focusing on cost-effective production and end-use applications.

- **Key Collaborations**

- **Lighthouse Initiative with Japan**

- An ongoing strategic partnership launched in 2023 to advance joint projects in energy including hydrogen and e-fuels.

- **Hydrogen Oasis Initiative with South Korea**

- An ongoing collaboration launched in 2023 to establish a hydrogen economy ecosystem, covering production, certification, and utilization.

Saudi Arabia – Profile June 2025



Status of Deployments

- **Renewable-based hydrogen (green hydrogen) Projects**
 - NEOM Green Hydrogen project reached 80% completion rate and on track to start production in 2027.
 - Land allocated for additional clean renewables-based hydrogen (green hydrogen)
- **Natural gas-based hydrogen (blue hydrogen) Projects**
 - Natural gas and CO₂ storage capacity has been allocated for additional projects.
- **Mobility pilots**
 - Three hydrogen mobility pilots have been concluded across different terrains.

Leading Government Initiatives

- National hydrogen strategy
- Clean hydrogen regulation
- Hydrogen mobility pilots
- Saudi Green Initiative
- Circular Carbon Economy (CCE)

Goals or Focus Areas

- Supply creation
- Certification
- Mobility

Deployment Goals

- To become a key producer and exporter of clean hydrogen by 2030.

Funding

- Over 10 million USD direct funding to support clean hydrogen R&D (public sector)



Thank you



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