



International Partnership  
for Hydrogen and Fuel Cells  
in the Economy

## *South Africa* Update

43<sup>rd</sup> IPHE Steering Committee Meeting

10-11 June 2025

Santiago, Chile

# Announcements / New Initiatives *South Africa (1)*

- ❑ **G20:** South Africa G20 Presidency-Energy Transitions Working Group
- ❑ **Inter-Ministerial Committee on Hydrogen Economy:** On May 2025 Minister Prof Blade Nzimande approved the convening of the first inaugural inter-Ministerial Meeting and is endorsed by the Deputy President of the Country.
- ❑ **Environmental Impact Assessment Guidelines for South Africa:** The purpose of this Guideline is to offer insights into the main issues that may surface when undertaking an Environmental Authorisation (EA) process for a GH<sub>2</sub>/PtX project, and how these issues may be managed or resolved.
- ❑ **South African Green Hydrogen Potential Atlas:** Supports the South African public and private sectors in realising the potential of a sustainable green hydrogen economy for the country.

## Announcements / New Initiatives *South Africa (2)*

- ❑ **Transnet Green Hydrogen for Freight Trains:** MOC with Africa GreenCo Group on a study to establish the techno-commercial viability of green hydrogen to power freight trains in South Africa.
- ❑ **EU Grant on Green Hydrogen and Supporting the decarbonization of Transnet:** The European Union has allocated two grants totaling R628 million (approximately €32 million or \$35 million) to support South Africa's green hydrogen initiatives-R138 million (€7 million) Grant has been allocated for Transnet.
- ❑ **Technical Standards, Regulation and Sustainability Certification:** The policy brief outlines the importance of regulation, technical standards, and sustainability certification in advancing the green hydrogen economy.

# Approved Policies *South Africa*

- ❑ **South African Renewable Energy Masterplan (SAREM):** Approved by Cabinet in March 2025 and led by the Department of Electricity and Energy. The masterplan aims to leverage the growing demand for renewable energy and storage technologies—focusing on solar, wind, lithium-ion, and vanadium-based battery technologies to promote industrial and inclusive development within South Africa's renewable energy value chains.
- ❑ **Electric Vehicle White Paper:** Approved by Cabinet in November 2023 and led by the Department of Trade, Industry and Competition. Focuses on battery technology, e-fuels and fuel-cell technologies, and the emergence of autonomous vehicles.
- ❑ **DTIC Tax incentives bill amendment:** Dec 2024: Taxation Laws Amendment Act No. 42 of 2024- 150% tax incentive for the manufacture of electric and hydrogen fuel cell cars.
- ❑ **Regional Hydrogen Strategy:** The Western Cape Provincial Government launched the Western Cape Green Hydrogen Strategy and Roadmap.

# South Africa – Profile June 2025



| Project Name                                  | Short Description                               | Project Phase        |
|---|---|----------------------|
| <b>HIVE COEGA Green Ammonia</b>               | Green hydrogen and green ammonia production     | Bankable Feasibility |
| <b>Isondo Precious Metal (MEA)</b>            | Membrane Electrode Assembly (MEA) Manufacturing | Execution            |
| <b>Keren Hydrogen Project Scorpion</b>        | Green hydrogen production                       | Bankable Feasibility |
| <b>SASOL HySHiFT (Secunda)</b>                | Sustainable Aviation Fuels (SAF) production     | Bankable Feasibility |
| <b>The Prieska Power Reserve</b>              | Green hydrogen and green ammonia production     | Bankable Feasibility |
| <b>Upilanga Solar and Green Hydrogen Park</b> | Green hydrogen production                       | Bankable Feasibility |

# Thank you



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