



International Partnership
for Hydrogen and Fuel Cells
in the Economy

South Africa Update

35th IPHE Steering Committee Meeting

22 – 23 June 2021

Virtual Meeting

Announcements / New Initiatives *South Africa*

Key Collaborations



1. The Department of Science and Innovation, Anglo American Platinum, Bambili Energy and Engie formally announced their collaboration on the Hydrogen Valley (Platinum Valley) Feasibility Study. The study is expected to be completed by end of July 2021. <https://www.miningweekly.com/article/anglo-collaborating-on-feasibility-study-for-south-africas-hydrogen-valley/>
2. SASOL has partnered with Toyota South Africa Motors (TSAM) to develop a pilot project for the development of hydrogen-powered heavy-duty long-haul trucks. The hydrogen-powered heavy-duty long-haul trucks will be part of developing a mobility corridor, which will be expanded on the N3 between Durban and Johannesburg, the country's main freight corridors. <https://www.afrik21.africa/en/south-africa>

JSE Panel Discussion on the Hydrogen Economy: <https://m.engineeringnews.co.za>

Examples of Lessons Learned and Impact *South Africa*

Program initiative, policy, regulation or mandate	Lessons Learned/Outcomes
<p>Development of the Hydrogen Society Roadmap</p>	<ol style="list-style-type: none"> 1. The need to consult widely across multiple stakeholders is critical 2. In a country like South Africa, the following aspects need to be considered: <ul style="list-style-type: none"> • Ensure that the transition from fossil fuels to low carbon technologies is just and inclusive • Gender, equality and social inclusion (GESI) need to be incorporated in the development of the roadmap.



South Africa – Profile June 2021

Status of Deployments

Currently, deployments are happening on a project by project basis. However, a more integrated deployment strategy is expected following the approval of the Hydrogen Society Roadmap

Leading Government Initiatives

- On 10 June 2021, President Ramaphosa announced that companies will be able to generate and even sell-on electricity up to 100MW, without a license. This was increased from a previous cap of 1MW. <https://www.businesslive.co.za>
- Establishment of the Presidential Climate Change Coordinating Commission (P4C) to oversee South Africa’s climate change response, including mitigation and adaptation to climate change and associated impacts.

Goals or Focus Areas

- Stationary Fuel Cell deployments
- Mobility Applications including materials handling and mining vehicles

Deployment Goals

- Major Deployment goals will be covered in the Hydrogen Society Roadmap

Funding for 2021/22

- Budgets will be confirmed in August 2021

Thank you



International Partnership
for Hydrogen and Fuel Cells
in the Economy