



International Partnership  
for Hydrogen and Fuel Cells  
in the Economy

## *South Africa* Update

39<sup>th</sup> IPHE Steering Committee Meeting  
26 – 27 April 2023  
Pretoria, South Africa

# Announcements / New Initiatives *South Africa*

## Policies

- Nine (9) Hydrogen related projects registered as Strategic Integrated Projects

SIPs are recognized for their economic and social significance and therefore benefit from:

- Better Coordination
- Better access to resources through prioritization
- Faster Environmental approvals.

- a. The Prieska Power Reserve in the Northern Cape
- b. The Ubuntu Green Energy Hydrogen Project in Northern Cape
- c. Boegoebaai Green Hydrogen Development Programme in the Northern Cape
- d. Atlanthia Green Hydrogen in the Western Cape
- e. Upilanga Solar and Green Hydrogen Park in the Northern Cape
- f. Sasolburg Green Hydrogen Programme in the Free State
- g. SASOL HySHiFT (Secunda) in Mpumalanga
- h. HIVE Ammonia in the Eastern Cape
- i. Hydrogen Valley Programme of Anglo-American and their JV Partners (9 projects) along the Limpopo, Gauteng to KwaZulu-Natal Corridor

## Key Collaborations

- Collaboration with UK PACT on the Study on Skills for the Hydrogen Economy focusing on the Technical Vocational Education and Training (TVET) sector.
- Collaboration between Teesside University and Universities in South Africa (Stellenbosch University, University of Pretoria and Nelson Mandela University) on Hydrogen related activities.

## Funding and Investments

- Financial Information will be available in time for the next SC meeting

# Announcements / New Initiatives *South Africa*

## Hydrogen Skills Study Launched



Minister Nsimane launched the TVET Study in December 2022

## Launch of the Ethekewini Hydrogen Strategy



Mayor Mxolisi Kaunda launched the Hydrogen Strategy on 2 March 2023

# South Africa – April 2023



## On-site demonstration of the Carbon Capture and Utilization (CCU) Technology



- ❑ The CoalCO<sub>2</sub>-X project on CCU was successfully demonstrated at a Cement Factory on 25 January 2023
- ❑ The CO<sub>2</sub> from the flue gas was captured and converted to Ammonium Bicarbonate (Fertilizer Salt)

## South African Delegation to the Fuel Cell Expo 2023



- ❑ The Department of Science and Innovation led a delegation of South African companies that included Small and Medium Microenterprises (SMMEs) to the FC Expo2023 in Japan



# Thank you



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