

2ND SOUTHERN AFRICAN HYDROGEN AND FUEL CELL CONFERENCE 2025

Pathway to industrialisation

MINTEK TECHNICAL VISIT

8 APRIL 2025

FUEL CELL DEMONSTRATION

ABOUT MINTEK

Mintek is South Africa's national mineral research and technology organisation, specialising in mineral processing, extractive metallurgy, research and development, and related areas throughout the minerals value chain. The DSTI established the Hydrogen South Africa (HySA) National Programme in 2007 to enable the beneficiation of SA's platinum reserves. The major goals of the HySA programme are to strive towards South Africa supplying a major share of the global catalyst demand for hydrogen and fuel cell markets, develop local cost-competitive hydrogen generation solutions, and to promote equity and inclusion in the economic benefits of South Africa's PGM resources.

As a leading player in the minerals and related material development space Mintek has co-hosted the HySA Catalysis Centre of Competence, along with the University of Cape Town since 2007. HySA Catalysis at Mintek focusses on the development of catalyst products for hydrogen and fuel cell applications. The stationary fuel cell demonstration system located at Mintek incorporates local content in the form of HySA Catalysis Mintek's fuel cell catalysts utilised in HyPlat membrane electrode assemblies (MEAs). The fuel cell system is fuelled by hydrogen provided by a PV hydrogen generation and storage system provided by HySA Infrastructure.

Mintek invites you to view the renewable energy system, where you will learn more about the technology and system operation.

SITE VISIT

- ◆ Tour of Mintek Fuel Cell Demonstration
- ◆ Min/Max numbers: groups of 10 to 15 delegates
- ◆ No PPE required
- ◆ Delegates to bring along identification (ID or passport)

ITINERARY

- 13:30 Security procedures (ID or passport required)
- 13:45 Welcome and Introduction Presentation (Venue: G4)
- 14:05 Fuel Cell Demonstration Site Visit
- 14:30 End of site visit and delegates departure



FOR FURTHER INFORMATION, CONTACT:

Gugu Charlie,
Conferences and Events
Co-ordinator

E-mail: gugu@saimm.co.za
Tel: +27 11 538-0238
Web: www.saimm.co.za



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