

GREEN HYDROGEN BUSINESS BRIEFING JANUARY 30, 2024 | HOUSTON, TX



Hendrik Louw

Acting Chief Executive Officer

Northern Cape Economic Development, Trade and Investment

Promotion Agency

Hendrik Louw holds a Masters in Development Sciences from the University of the Free State. He has more than twenty years work experience and most of this he gained in the private and public sector in terms of socio-economic development, investment, and project management. He has extensive global and SADC exposure



with a keen passion for socio-economic development on the African continent and developing countries.

He has extensive local and international exposure and experience ranging from Africa, Europe, Middle East, Far East and the United States of America. His passion is and always will be socio-economic development for Africa specifically, South Africa and the Northern Cape and developing regions globally.

His specialty entail economic potential analysis, investment facilitation and implementation.

Currently he is the Acting CEO for the Northern Cape Economic Development Agency (NCEDA). NCEDA is currently heading several of the macro projects in the Northern Cape Province especially along the Northern Cape Industrial Corridor. The Northern Cape Industrial Corridor include the Boegoe Baai deep port harbor, Namakwa SEZ, Upington- and Kathu Industrial Park. The latest priority project assigned to his portfolio is the Northern Cape Green Hydrogen Strategy and Master Plan that is leading the South African Just Energy Transition intent. This project consists of the Boegoebaai Special Economic Zone planned for 30 000 ha, 40GW electrolizer capacity and extensive local manufacturing and value addition.

Organization Overview

NCEDA is responsible for the Northern Cape Trade and Investment portfolio and subsequently the Northern Cape GDP has increased from ZAR 89 billion per annum to 2023 figures exceeding ZAR 140 billion.

In addition, has the Northern Cape committed to be the leading producer of green hydrogen in the SADC region with a global leading 40 Gig electrolizer Special Economic Zone linked to the Boegoeberg Harbor deep port.

The lighthouse investor for this investment is SASOL, New York stock exchange listed. The prefeasibility study for this investment has been concluded with sterling findings and is now being advanced to a full feasibility study.



In addition is there several other projects and investment throughout the province related to renewable energy and green hydrogen, electric vehicles, zero-carbon transport, rare earths, green-steel, green ammonia, and green fertilizer being advanced.

Interests

- Technology, user and thus market development.
- Generating capacity technology and specifically grid and pipeline strategies.
- Can the whole value chain be green?
- What lesson has been learned in the USA in the green hydrogen sector over the past 40 years.
- Generation of GH2 ranging from electrolizer, to storage and transport right up to the end consumer with the related infrastructure.
- In what format does the technology on the short-, medium- and long-term require the said green hydrogen and/or derivatives.