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2024**  
SUMMIT & EXHIBITION



# AFRICA HYDROGEN FORUM



**14 MAY 2024**

**ROTTERDAM AHOY, NETHERLANDS**

Co-Hosted With:



## *Commercial Opportunities Driving Forward the Hydrogen Industry in Africa*

Part of the SEC World Hydrogen Series

The Largest and Most Senior Hydrogen Summits



**[www.world-hydrogen-summit.com](http://www.world-hydrogen-summit.com)**

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# AFRICA HYDROGEN FORUM

TUESDAY, 14 MAY 2024

## 08:00 Registration & Welcome Breakfast

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# 8 RIVERS

## 09:00 Opening Keynote Addresses

- H.E. Mohamed Shaker El-Marqabi, Minister of Electricity and Renewable Energy, Government of the Arab Republic of Egypt
- H.E. Yonis Ali Guedi, Minister of Energy and Mineral Resources, Republic of Djibouti
- *Energy Ministers to be confirmed*

## 09:45 Session 1: Realising Clean Hydrogen Projects in Africa

- Presentation of project case studies: Key learnings, challenges, and best practices for replication and scalability
- Examining small-scale hydrogen production and applications from an African perspective
- Producing hydrogen where it is consumed

**Moderator:** Noé van Hulst, Vice-Chair, IPHE, Hydrogen Advisor, IEA & Gasunie

### Panellists:

Alex Hewitt, CEO, CWP Global

Jerome Namaseb, CEO, Daures Green Hydrogen Village

Khaled Nageib, CEO, Hydrogen Egypt

Jonas Moberg, CEO, The Green Hydrogen Organisation, GH2

*5-Minute Case Study Presentations followed by Q&A*

## 10:30 Country Spotlight: Morocco

### Speaker:

Tarik Hamane, Acting CEO, Masen (Moroccan Agency for Sustainable Energy)

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## 10:45 Networking Coffee Break

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## 11:30 Country Spotlight: Egypt

### Speaker:

**Hossam Heiba**, President, **General Authority for Investments and Free Zones (GAFI)**

## 11:45 Session 2: Decarbonising Shipping Fleets

- Hydrogen's potential as a sustainable shipping fuel, exploring green ammonia as an energy carrier
- Challenges and opportunities in scaling up hydrogen infrastructure for maritime applications
- Projections for shipping decarbonisation in Africa

**Moderator:** **Stefan Krümpelmann**, Editor Hydrogen, **Argus Media**

### Panellists:

**Waleid Gamal Eldien**, Executive Chairman, **General Authority for Suez Canal Economic Zone, Arab Republic of Egypt (SCZONE)**

**Frank Wouters**, Chairman, **MENA Hydrogen Alliance**

**Andrew Kanime**, Chief Executive Officer, **Namibian Ports Authority (Namport)**

**Dr Rabah Sellami**, Director of Hydrogen and Alternative Energies, **Commission for Renewable Energies and Energy Efficiency, Algeria (CEREFÉ)**

**Jorgo Chatzimarkakis**, CEO, **Hydrogen Europe**

## 12:30 Networking Lunch

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### 13:30 **Session 3: Low Carbon Ammonia: A Reality in Africa**

- Environmental and sustainability challenges associated with traditional fertiliser production methods
- Insights into the environmental benefits of low carbon fertilisers
- Utilising green ammonia as the foundation for producing sustainable green fertilisers
- Examination of the role of low carbon fertilisers in enhancing food security and agricultural productivity in Africa

#### **Moderator:**

**Hans Vrijenhoef**, President, **Ammonia Energy Association**

#### **Panellists:**

**Professor Bamidele Adebisi**, Director/ Board Member, **African Hydrogen Partnership**, Director Smart Communities and Innovations, **Manchester Metropolitan University, UK**

**Patrick Heffer**, Deputy Director General, **International Fertilizer Association**

**Ben Valk**, Head, **Food & Agri Partnerships**, Executive Director, Sustain Africa, **Rabobank**  
Senior Representative, **SONATRACH**

### 14:15 **Session 4: Developing Heavy Industry in Africa to position Africa as a Global Leader in Renewable Products**

- The role of hydrogen as a versatile industrial feedstock for heavy industries, including its use in steel production, chemical manufacturing, and refining processes, to enable decarbonisation and enhance competitiveness
- Establishing Africa as a premier industrial hub to attract global industry and investment
- Utilising industrial exports as a driver for local economic growth and development
- Export versus Africa-focused approach
- The importance of international collaboration and partnerships in advancing renewable products industries in Africa

**Moderator: Ms Eudy Mabuza**, Senior Science and Innovation Representative, Brussels, **Department of Science and Innovation, Republic of South Africa**

#### **Panellists:**

**James Mnyupe**, Presidential Economic Advisor and Green Hydrogen Commissioner, **Government of the Republic of Namibia**

**Petra Schwager**, Chief – Climate and Technology Partnerships Division, Directorate on SDG Innovation and Economic Transformation, **United Nations Industrial Development Organization (UNIDO)**

**Monica Swanson**, Program Manager Hydrogen Development Projects, **Port of Rotterdam International**

**Mario Lievens**, Director, **Port of Antwerp-Bruges International**

**Mohammed Yahya Zniber**, President, **Cluster Green H2 Morocco**

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## 15:15 **Networking Coffee Break**

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## 15:45 **Spotlight: Hydrogen Solutions for Off-Grid Economies**

- The impact of energy theft
- Identifying the unique challenges faced by off-grid communities in Africa regarding energy access, including limitations of traditional energy sources and infrastructure
- Exploring the potential to provide clean energy solutions in areas with limited or no access to electricity

### Speakers:

**Siggi Huegemann**, Secretary General, **African Hydrogen Partnership**

**Professor Bamidele Adebisi**, Director/ Board Member, **African Hydrogen Partnership**, Director Smart Communities and Innovations, **Manchester Metropolitan University, UK**

## 16:15 **Country Spotlight: Algeria**

### Speaker:

**Sofiane Dakiche**, Director of Forecasting, **Ministry of Energy and Mines, People's Democratic Republic of Algeria**

## 16:30 **Session 5: Financing Hydrogen Projects**

- Analysis of the current investment landscape for hydrogen projects in Africa, including trends, challenges, and opportunities for attracting financing from domestic and international investors
- Perspectives on technological and political imperatives needed to boost investor confidence in hydrogen projects – what is still missing?
- Lowering cost of capital and improving IRR for hydrogen projects
- Exploring blended finance models
- Tapping into the international capital market

**Moderator: Ipeleng Selele**, Group CEO, **RRS Trade and Investment**

### Panellists:

**Bridget van Dorsten**, Senior Research Analyst, Hydrogen & Derivatives, **Wood Mackenzie**

**Tuliikeni Ndadi**, Senior Technical Advisor, PtX Hub “Green Hydrogen” | Energy Partnerships, **GIZ Office Windhoek**

**Ayman Soliman**, CEO, **The Sovereign Fund of Egypt**

**Masopha Moshoeshoe**, Green Hydrogen Lead, Investment and Infrastructure Office, **The Presidency, South Africa**, Acting CEO, **Waste Management Bureau (an entity of the DFFE)**  
Senior Representative, **World Bank**

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## 17:30 Closing Remarks

**H.E. Liesje Schreinemacher**, Minister for Foreign Trade and Development Cooperation,  
**Government of the Netherlands**

## End of Africa Hydrogen Forum 2024

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