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**WORLD
HYDROGEN
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



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Speakers indicated are in the process of being invited and are not necessarily confirmed. Private companies are subject to sponsorship pricing unless discretion is exercised.

AFRICA HYDROGEN FORUM

TUESDAY, 14 MAY 2024

08:00 Registration & Welcome Breakfast

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8 RIVERS

09:00 Welcome Remarks

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

09:05 Opening Keynote Addresses

H.E. Yonis Ali Guedi, Minister of Energy and Mineral Resources, **Republic of Djibouti**

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: Dalia Samir, Co-Founder & Business Development Director, **Hydrogen Egypt**

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

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Speaker:

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

10:45 Networking Coffee Break

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11:30 Country Spotlight: Unlocking Green Hydrogen's Potential in 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**

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- Utilising green ammonia as the foundation for producing sustainable green fertilisers
- Examination of the role of low carbon fertilisers in enhancing agricultural productivity in Africa
- Market potential for green ammonia-based fertilisers in different regions of Africa
- Analyse the economic viability of utilising green ammonia within the African context

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**

Billel Kalache, Director of Renewable Energy, **Sonatrach**

14:15 Keynote Address

Steven Collet, Deputy Director General for International Cooperation, **Ministry for Foreign Affairs, Government of the Netherlands**

14:25 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**

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

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 International Hydrogen, **Port of Rotterdam International**

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Mario Lievens, Director, Port of Antwerp-Bruges International

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's National Hydrogen Development Strategy - Roadmap Progress**

Speaker:

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

16:30 **Country Spotlight: South Africa's Green Hydrogen – Commercialisation Strategy and the Critical Minerals Value Chain**

Speaker:

Joanne Bate, Chief Operations Officer, **Industrial Development Corporation of South Africa (IDC)**

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16:45 **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**

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

Dr Dolf Gielen, Senior Energy Economist and Hydrogen Lead, **The World Bank**

Priscillah Mabelane, Chairperson, **National Transmission Company of South Africa (NTCSA)**

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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