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9 MAY 2023

ROTTERDAM AHOY, NETHERLANDS

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Commercial Opportunities Driving Forward the Hydrogen Industry in Africa

From the organisers of:



www.world-hydrogen-summit.com

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

Hydrogen New Frontiers: Africa's Commercial Opportunities

- Harnessing hydrogen opportunities towards energy independence
- **Hydrogen exports:** routes to market and developing the supply chains.
- **What projects are in place?** Harnessing Africa's potential to be the lowest cost producer of green hydrogen
- Collaboration between Government and private sector to foster hydrogen production and deployment in Africa. Meet & partner with Africa's hydrogen pioneers.
- **Session Structure:** each session will start with short remarks from each speaker followed by questions from the moderator, other speakers, and delegates, maximizing knowledge share.
- Produced with the Support of the **SEC Hydrogen Advisory Board:**
 - **Allard Castelein**, President & CEO, **Port of Rotterdam Authority**
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 - **Jorgo Chatzimarkakis**, CEO, **Hydrogen Europe**
 - **Max Correa Achurra**, Director Latam, **Copenhagen Infrastructure Partners (CIP)**
 - **Noe Van Hulst**, Vice-Chair at **IPHE**, Hydrogen Advisor at **IEA & Gasunie**
 - **Horst H. Mahmoudi**, CEO & Executive Chairman, **Smartenergy**
 - **David Burns**, Vice President Clean Energy, **Linde**
 - **Alicia Eastman**, President, **InterContinental Energy**
 - **Shigeru (Sam) Muraki**, Representative Director, **Clean Fuel Ammonia Association**
 - **Elaine Wong**, Co-Founder & Partner, **H+ Partners**
 - **Najla Al Jamali**, Chief Executive Alternative Energy, **OQ**
 - **Dr Fiona Simon**, CEO, **Australian Hydrogen Council (AHC)**
 - **Federico Bernardelli**, Country Image Coordinator and International Positioning Coordinator, **International Affairs Office of the Chilean Ministry of Energy**

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CONFIRMED FORUM SPEAKERS INCLUDE:

1. **Hon. Sihle Zikalala**, Minister of Public Works and Infrastructure, **Government of South Africa**
2. **H.E. Abdessalam Mohamed Saleh**, Minister of Petroleum, Mines and Energy, **Government of Mauritania**
3. **H.E. Liesje Schreinemacher**, Minister for Foreign Trade and Development Cooperation, **Government of the Kingdom of the Netherlands**
4. **Honourable Obeth Mbuipaha Kandjoze**, Director General, **National Planning Commission**, Chairperson, **Green Hydrogen Council**, **Government of the Republic of Namibia**
5. **James Mnyupe**, Presidential Economic Advisor, **Government of The Republic of Namibia**
6. **Dr. Miloud Medjelled**, Director General of Economic Studies and Foresight, **Ministry of Energy and Mines**, **Government of Algeria**
7. **Mohamed OUHMED**, Director of Renewable Energies and Energy Efficiency, **Ministry of Energy Transition and Sustainable Development**, **Kingdom of Morocco**
8. **Dr. Yassaa Noureddine**, Algerian Commissioner for Renewable Energy and Energy Efficiency, **CEREFÉ**
9. **Till Mansmann MP**, Innovation Commissioner for Green Hydrogen, **German Federal Ministry of Education and Research (BMBF)**
10. **Marcel Raats**, Manager Global Public Goods, Energy and Climate Team, Department for International Development, **Netherlands Enterprise and Development Agency (RVO.nl)**
11. **Franz Lehner**, Head of Division International Cooperation, **National Organisation Hydrogen & Fuel Cell Technology**, **Germany**
12. **Monica Swanson**, Program Manager International Hydrogen, **Port of Rotterdam**
13. **Mark-Simon Benjamins**, Business Manager, **Port of Rotterdam**
14. **Siggi Huegemann**, Secretary General, **African Hydrogen Partnership**
15. **Prof Bamidele Adebisi**, Director/ Board Member, **African Hydrogen Partnership**, Head of Smart Infrastructure and Industry Research (SIIR) Group, **Manchester Metropolitan University**
16. **Junaid Belo-Osagie**, Executive Director Investment Banking, **Mizuho International**, Chair, **AHP Financial Advisory Group**
17. **Joost Oorthuizen**, Chief Executive Officer, **Invest International**, **The Netherlands**
18. **Axel Dombrowski**, Director of Innovation and Digitalisation, **DNV**
19. **Eugene McKenna**, Commercial and Strategy Director, Hydrogen Technologies, **Johnson Matthey**
20. **Carolina Ivern Mesa**, VP Hydrogen, Spain and New Markets, **bp**
21. **Nadja Haakansson**, Managing Director of Africa, **Siemens Energy**
22. **Alex Hewitt**, CEO, **CWP Global**
23. **Mr. Vivek Kumar Dewangan**, Chairman & Managing Director, **REC Limited**

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24. **Stefan Krümpelmann**, Editor Hydrogen, **Argus Media**
25. **Dumisani Nkala**, Senior Vice President: Low Carbon Energy Solutions, **Sasol**
26. **Tarik Hamane**, Acting CEO, **Masen**
27. **Marie Badiane**, Legal Advisor, **iH2-Ivoire Hydrogène**
28. **Bruh Ayele Terfie**, President (Africa), **Fortescue Future Industries**
29. **Bart Biebuyck**, Executive Director, **Clean Hydrogen Joint Undertaking (Clean Hydrogen JU)**
30. **Jorgo Chatzimakakis**, Secretary General, **Hydrogen Europe**
31. **Khaled Nageib**, CEO, **Hydrogen Egypt**
32. **Hans Vrijenhoef**, EVP President Elect, **Ammonia Energy Association**
33. **Asma Diallo**, Strategy & Development Director, **Hydroma**
34. **Ipeleng Selele**, Group CEO, **RRS Trade and Investment**
35. **Akin Ande**, Founder of Tekinologi Ltd and CEO of Chert Group, **Tekinologi Solutions**
36. **Farhanja Wahabzada**, Head of the Business Alliance on Green Hydrogen, **GIZ**
37. **Kelly-Marie Tuthill**, Government Relations & Speaker Manager, **Sustainable Energy Council**
38. **Rob Arthur**, Director of Partnerships, **Sustainable Energy Council**
39. Master of Ceremonies: **Simone van Trier**

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AFRICA HYDROGEN FORUM

TUESDAY 9 MAY

08:00 Registration & Welcome Breakfast

09:00 Opening Keynote Addresses

Welcome Address:

- **Kelly-Marie Tuthill**, Government Relations & Speaker Manager, **Sustainable Energy Council**
- Master of Ceremonies: **Simone van Trier**

Keynote Addresses:

- **Dr. Miloud Medjelled**, Director General of Economic Studies and Foresight, **Ministry of Energy and Mines, Government of Algeria**
- **Hon. Sihle Zikalala**, Minister of Public Works and Infrastructure, **Government of South Africa**
- **Mohamed OUHMED**, Director of Renewable Energies and Energy Efficiency, **Ministry of Energy Transition and Sustainable Development, Kingdom of Morocco**

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09:40 **Session 1: Realising Clean Hydrogen Projects in Africa**

- Case Studies on:
 - Egypt: Hydrogen Small scale production and applications in African perspectives
 - Namibia's SCDI Green Hydrogen Project
 - Developing a green hydrogen industry in Mauritania
 - Morocco's MASEN Reference Project
- Hydrogen Small scale production and applications in African perspectives
- What are the opportunities and bottlenecks?
- Where are the gaps in the market?
- What new technologies are needed to realise projects?

Moderator:

Marcel Raats, Manager Global Public Goods, Energy and Climate Team, Department for International Development, **Netherlands Enterprise and Development Agency (RVO.nl)**

Panellists:

Carolina Ivern Mesa, VP Hydrogen, Spain and New Markets, **bp**
Nadja Haakansson, Managing Director of Africa, **Siemens Energy**
Khaled Nageib, CEO, **Hydrogen Egypt**
Tarik Hamane, Acting CEO, **Masen**

5 minute Case Study Presentations followed by Q&A

10:25 **Networking Coffee Break**

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10:55 **Session 2: Creating Hydrogen Supply Chains for Africa**

- Capacity building to boost local economies and foster energy resilience
- Roads, rivers, trains and required infrastructure to transport hydrogen along the value chain
- Retrofitting solutions, timescales, feasibility & Regulation
- LNG Terminals, Pipelines & future transport roles for existing Gas Infrastructure
- South Africa's Boegoeberg se baai Green Hydrogen SEZ
- Harnessing Hydrogen for the Just Transition, energy security & sovereignty in the context of international market participation

Moderator:

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

Panellists:

Dr. Yassaa Nouredine, Algerian Commissioner for Renewable Energy and Energy Efficiency, **CEREF**

Till Mansmann MP, Innovation Commissioner for Green Hydrogen, **German Federal Ministry of Education and Research (BMBF)**

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

Dumisani Nkala, Senior Vice President: Low Carbon Energy Solutions, **Sasol**

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11:30 **Session 3: Cross-Continental Collaboration to Commerciality**

- Cross-Continental Collaboration to attract FDIs
- How is the EU supporting and subsidizing hydrogen global deployment
- What is the impact of EU's first delegated act rules for green hydrogen?
- Harnessing low-cost hydrogen and ammonia for local trade and global exports
- Green hydrogen leading to industrialisation, agricultural development and food security
- How can we expedite the development of green hydrogen in Africa

Keynote Address:

Honourable Obeth Mbuipaha Kandjoze, Director General, **National Planning Commission**, Chairperson, **Green Hydrogen Council**, **Government of the Republic of Namibia**

Moderator:

Bart Biebuyck, Executive Director, **Clean Hydrogen Joint Undertaking (Clean Hydrogen JU)**

Panellists:

Franz Lehner, Head of Division International Cooperation, **National Organisation Hydrogen & Fuel Cell Technology**, **Germany**

Jorgo Chatzimarkakis, CEO, **Hydrogen Europe**

Asma Diallo, Strategy & Development Director, **Hydroma**

Prof Bamidele Adebisi, Director/ Board Member, **African Hydrogen Partnership**, Head of Smart Infrastructure and Industry Research (SIIR) Group, **Manchester Metropolitan University**

12:15 **Networking Lunch**

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13:30 **Session 4: Financing, Regulations & Policies Subsidizing Hydrogen Projects & Developments**

- Collaboration between Government and private sector to foster hydrogen production and deployment in Africa
- Attracting funding - what Private Equity Funds are looking for in new Hydrogen enterprise
- Regulations & policies to harmonise hydrogen global trade and value chains
- Certifying clean hydrogen: what is required from a global standpoint? Next steps and timelines
- Investor Confidence Gaps – what technological and political impetus is still missing?
- Lowering cost of capital and IRR

Keynote Address:

H.E. Abdessalam Mohamed Saleh, Minister of Petroleum, Mines and Energy, **Government of Mauritania**

Moderator:

Mark-Simon Benjamins, Business Manager, **Port of Rotterdam**

Panellists:

Joost Oorthuizen, Chief Executive Officer, **Invest International, The Netherlands**

Axel Dombrowski, Director of Innovation and Digitalisation, **DNV**

Alex Hewitt, CEO, **CWP Global**

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

14:15 **Spotlight: Bankability of Green Hydrogen Projects in Africa**

Moderator:

Marie Badiane, Legal Advisor, **iH2-Ivoire Hydrogène**

Panellists:

James Mnyupe, Presidential Economic Advisor, **Government of The Republic of Namibia**

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

Junaid Belo-Osagie, Executive Director Investment Banking, **Mizuho International**, Chair, **AHP Financial Advisory Group**

Akin Ande, Founder of Tekinologi Ltd and CEO of Chert Group, **Tekinologi Solutions**

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15:00 **Networking Coffee Break**

15:40 **Session 5: Developing Heavy Industry in Africa to position Africa as a Global Leader in Renewable Products**

- Hydrogen as a key component for global decarbonisation
- Green ammonia as a base for green fertiliser and renewable energy opening new opportunities for industrial activity
- Transforming Africa to the world's industrial hub to attract more industry
- Utilising green hydrogen and ammonia to establish fertiliser plants and strengthen food security in Africa
- Industrial exports as a means to boost local economy
- Green ammonia as an energy carrier
- Hydrogen pipeline development: Linking major hydrogen producers to end user markets

Moderator:

Eugene McKenna, Commercial and Strategy Director, Hydrogen Technologies, **Johnson Matthey**

Panellists:

Mr. Vivek Kumar Dewangan, Chairman & Managing Director, **REC Limited**

Bruh Ayele Terfie, President (Africa), **Fortescue Future Industries**

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

Farhanja Wahabzada, Head of the Business Alliance on Green Hydrogen, **GIZ**

16:30 **Final Keynote Address**

Keynote Address:

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

16:40 **Closing Remarks**

- **Rob Arthur**, Director of Partnerships, **Sustainable Energy Council**

End of Africa Hydrogen Forum

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17:00 Welcome Drinks

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17:30 VIP Exhibition Opening Ceremony

Join a delegation of Ministers as they officially open the Exhibition and have a tour around the stands with a VIP delegation.

- **H.E. Liesje Schreinemacher**, Minister for Foreign Trade and Development Cooperation, **Government of the Kingdom of the Netherlands**
- **H.E. Jeannette Baljeu**, Regional Minister, **Province of Zuid-Holland**
- **Ms. Hermineke van Bockxmeer**, Director-General for Urban Development, **City of Rotterdam**
- **Allard Castelein**, President & CEO, **Port of Rotterdam Authority**, SEC Hydrogen Advisory Board Member

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18:00 World Hydrogen Awards Ceremony



The **World Hydrogen 2023 Awards** will once again celebrate the exceptional achievements from companies and individuals who are driving the hydrogen industry forward. Their accomplishments deserve well-rounded recognition, and many others will build on their successes for years to come.

Join us as we celebrate a winner in each of the following categories:



GREEN PROJECT



INDUSTRIAL APPLICATION



FUTURE LEADER



PORT OF THE FUTURE



HYDROGEN TRANSPORT



PERSON OF THE YEAR

CONGRATULATIONS TO THE 2022 AWARD WINNERS!

					
					
GREEN PROJECT	INDUSTRIAL APPLICATION	FUTURE LEADER	HYDROGEN TRANSPORT	PORT OF THE FUTURE	PERSON OF THE YEAR

[WATCH THE WORLD HYDROGEN 2022 AWARDS EVENING VIDEO](#)

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WITH THANKS TO OUR INDUSTRY SUPPORTERS



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