

Co-hosted by



MENA Hydrogen Alliance
An initiative of Dii Desert Energy

World Hydrogen MENA

**Wednesday
21st April 2021
Online**



Heavily reliant on fossil fuels, there is huge potential for the MENA region to supply low carbon and green hydrogen, tapping into the abundant combined solar and wind power capacity as well as the first-class energy infrastructures. Interest is building rapidly across the region as a huge swathe of the global economy commits to Net Zero and Europe can be a privileged partner as off-taker to import large quantities of green hydrogen using the existing infrastructures. As 'defossilization' becomes ubiquitous, can MENA retain a competitive advantage?

This one-day conference will uncover the potential for hydrogen across the MENA region and it will look at policy, projects and market trends Co-hosted by World Hydrogen Leaders, Dii Desert Energy and the MENA Hydrogen Alliance, we will bring together local and international industry leaders to debate the biggest challenges and opportunities and to identify investment prospects through interactive sessions, case studies and networking sessions.

SPEAKERS



Cornelius Matthes
 CEO
 Dii Desert Energy



Frank Wouters
 Chairman
 MENA Hydrogen Alliance



Nadim Chaudhry
 CEO
 World Hydrogen Leaders



Ellen von Zitzewitz
 Deputy Director, International
 Energy Policy **Federal Ministry for
 the Economic Affairs and Energy**



Yousif Al Ali
 Ministerial Advisor
**United Arab Emirates Ministry of
 Energy and Infrastructure**



Valeria Aruffo
 Director External Relations
**MENA Hydrogen Alliance /Dii
 Desert Energy**



Vatche Kourkejian
 Partner
Roland Berger



Roland Kaepfner
 Executive Director Hydrogen &
 Green Fuels
NEOM



Jubilee Easo
 Partner
Eversheds Sutherland



Reshma Carmel Francy
 WiGH Member & Project Manager
**Women in Green Hydrogen & UAE
 Energy Strategy**



Charlotte Hussy
 Advisor for Power Fuels
GIZ



Malcolm Cook
 Vice President & Head of Chemicals
 & Process Technologies – Middle
 East & Turkey **thyssenkrupp**



Andrea Lovato
 Executive Vice President – Head
 of Renewable Development
ACWA Power



Mohamed El Nahi
 Regional Business Development –
 Middle East & Saudi
Saipem



Meryem Cherif
 Venture Capital
AP Ventures



Herbert Jost
 Investment Director
DEME Group



Didier Wesoly
 Business Development Green
 Storage
Geostock



Wouter Vanhoudt
 Coordinator
CertifHy



Ad van Wijk
 Professor Future Energy Systems.
Technical University of Delft - Member
 of the Advisory Board, **Dii Desert Energy**



Tim Lyng Sønderby
 Synfuels Licensing Manager
Haldor Topsoe



Paul Van Son
 President, **Dii Desert Energy**;
 Honorary President, **European
 Federation of Energy Traders (EFET)**



Jan Pechstein
 Corporate Emissions
 Management & Sustainable
 Aviation Fuels **Lufthansa AG**



Ali Zerouali
 Cooperation and International
 Development Director
Masen



Badr Ikken
 Managing Director
**Moroccan Research Institute of
 Solar and New Energies (IRESEN)**



Michael Stusch
 Chief Executive Officer
H2 Industries



Reiner Block
 CEO Division Industry Service
TÜV SÜD



Jorgo Chatzimarkakis
 Secretary General
Hydrogen Europe



Kilian Crone
 Team Lead
Global Alliance Powerfuels



Yusuf Macun
 Managing Partner
Cranmore Partners



Gabriel de Lastours
 Head of Energy Middle East and
 Africa
EBRD



Joaquin Rodriguez
 Director Business Development
Fisterra Energy



Laurent van Helden
 Regional Sales Manager Middle
 East
Frames



Manuel Kuehn
 Head of New Energy for Middle
 East and Africa
Siemens Energy



Farhanja Wahabzada
 Advisor
GIZ



All timings are listed in Central European Summer Time (CEST)

08:00 CEST Opening Remarks - MENA's Hydrogen Advantage and Goals

- Examining the MENA region's hydrogen potential
- Outlining the commercial opportunities to deploy a regional economy
- Bridging Continents: understanding the role of MENA Hydrogen Alliance

Cornelius Matthes, CEO, **Dii Desert Energy**

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

Nadim Chaudhry, CEO, **World Hydrogen Leaders**

08:15 CEST Presentation + Panel - Gulf Cooperation Council Regional Hydrogen Plans and Analysis

- Framing the region's hydrogen markets: Current status, goals, defossilization targets
- Examining key milestones and priorities
- Discussing immediate challenges to be overcome
- Exploring current investment appetite and trade opportunities
- Promoting job creation and the localisation of hydrogen value chains

Moderator: **Frank Wouters**, Chair, **MENA Hydrogen Alliance**

Introductory Presentation: Green Hydrogen Potential in GCC:

Vatche Kourkejian, Partner, **Roland Berger**

Panellists:

Roland Kaepfner, Executive Director Hydrogen & Green Fuels, **NEOM**

Yousif Al Ali, Ministerial Advisor, **United Arab Emirates Ministry of Energy and Infrastructure**

Malcolm Cook, Vice President & Head of Chemicals & Process Technologies – Middle East & Turkey, **thyssenkrupp**

09:15 CEST Panel - Bridging Continents: North Africa & Europe Hydrogen Partnerships

- Identifying regional strengths to establish strategic partnerships in the global hydrogen economy
- Defining hydrogen's role in driving North Africa's energy transition, defossilization and position as a global powerhouse
- Debating potential cost-competitiveness of the region's hydrogen production
- Sourcing demand centres and international offtake to achieve project bankability
- Assessing the best form of green molecules for the respective application

Moderator: **Meryem Cherif**, Venture Capital, **AP Ventures**

Ad van Wijk, Professor Future Energy Systems, **Technical University of Delft** Member of the Advisory Board, **Dii Desert Energy**

Ali Zerouali, Cooperation and International Development Director, **Masen**

Gabriel de Lastours, Head of Energy Middle East and Africa, **EBRD**

Andrea Lovato, Executive Vice President – Head of Renewable Development, **ACWA Power**

10:15 CEST Virtual Networking Break



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10:30 CEST **Spotlight on MENA's Leading Hydrogen Case Studies**

Case studies showcasing a range of pilots and projects across the region

HYPOR[®] Duqm: Green Hydrogen Project, Oman

Herbert Jost, Investment Director, **DEME Group (Duqm Port)**

HELIOS: Green Hydrogen, Saudi Arabia

Roland Kaepfner, Executive Director Hydrogen & Green Fuels, **NEOM**

Green Hydrogen Pilot Projects in the UAE

Manuel Kuehn, Head of New Energy for Middle East and Africa, **Siemens Energy**

Germany's hydrogen dialogue with MENA countries

Ellen von Zitzewitz, Deputy Director – International Energy Cooperation **Federal Ministry for Economic Affairs and Energy (BMWi)**

12:00 CEST **Fireside Chat: Securing Hydrogen Project Finance**

- Examining tools and best practice to unlock project finance
- Revealing lessons learned from Europe
- Exploring future trends for hydrogen funding and investment

Yusuf Macun, Managing Partner, **Cranmore Partners**

Joaquin Rodriguez, Director Business Development, **Fisterra Energy**

12:20 CEST **Virtual Networking Break**

13:00 CEST **Panel - Collaboration is King: The Power of Regional Alliances**

- How can stakeholders partner across geographies and sectors to drive innovation and regulatory change?
- Exploring successful technological and political partnerships
- Building strategic transregional relationships: Europe, Asia and beyond
- Discovering strategic alliances and learning how to get involved
- How can alliances facilitate investment deployment in the region
- How can investors support hydrogen development

Moderator: Reshma Carmel Francy, WiGH Member & Project Manager, **Women in Green Hydrogen & UAE Energy Strategy**

Jorgo Chatzimarkakis, Secretary General, **Hydrogen Europe**

Valeria Aruffo, Director External Relations, **MENA Hydrogen Alliance /Dii Desert Energy**

Kilian Crone, Team Lead, **Global Alliance Powerfuels**

13:45 CEST **Panel - Harmonising Hydrogen Standards and Regulations**

- Defining what should be defined as clean, green, carbon-neutral including full life-cycle emissions
- Harmonising national standards and regulations
- National vs. regional hydrogen certificates and guarantees of origin
- How can we accelerate policy development and implementation?



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Moderator: Jubilee Easo, Partner, **Eversheds Sutherland**
Reiner Block, CEO Division Industry Service, **TÜV SÜD**
Wouter Vanhoudt, Coordinator, **CertifHy**
Paul Vanson, President, **Dii Desert Energy**, Honorary President, **European Federation of Energy Traders (EFET)**

14:30 CEST Panel - Unlocking the Potential of Power Fuels

- Building demand for synthetic fuels in end-use sectors
- Where are we seeing the greatest technology leadership and breakthroughs?
- How can stakeholders make power fuels an attractive investment for target sectors?

Moderator: Charlotte Hussy, Advisor for Power Fuels, **GIZ**

Tim Lyng Sønnderby, Synfuels Licensing Manager, **Haldor Topsoe**

Jan Pechstein, Corporate Emissions Management & Sustainable Aviation Fuels, **Lufthansa AG**

Badr Ikken, Managing Director, **Moroccan Research Institute of Solar and New Energies (IRESEN)**

15:15 CEST Panel - Transport and Storage: Infrastructure Planning and Development

- Examining the potential for utilizing existing transport, distribution and storage capacity
- Pure vs. Blended Pipelines: Hydrogen's place in regional gas grids
- Exploring opportunities for liquid hydrogen, liquid organic hydrogen carriers, ammonia and more
- How can infrastructure develop at scale and pace to meet export demand?
- Debating the advantages and disadvantages of different regional storage options

Moderator: Farhanja Wahabzada, Advisor, **GIZ**

Michael Stusch, Chief Executive Officer, **H2 Industries**

Didier Wesoly, Business Development Green Storage, **Geostock**

Mohamed El Nahi, Regional Business Development – Middle East & Saudi, **Saipem**

Laurent van Helden, Regional Sales Manager Middle East, **Frames**

16:00 CEST Presentation and Q&A – Technology Innovations and MENA's Prioritisations

- Evaluating different green hydrogen technologies suitability to the region
- Exploring the product value chains important for MENA (ammonia, methanol, gasoline, jet fuels)
- A global green hydrogen economy – how to close the gap between utopian discourse today and reality in the future?
- What is needed to this reality happen?

Malcolm Cook, Vice President & Head of Chemicals & Process Technologies – Middle East & Turkey, **thyssenkrupp**

16:30 CEST End of Conference



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