



# world hydrogen MENA



**MENA Hydrogen Alliance**  
An initiative of Dii Desert Energy

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## International Collaboration & Strategy Forum

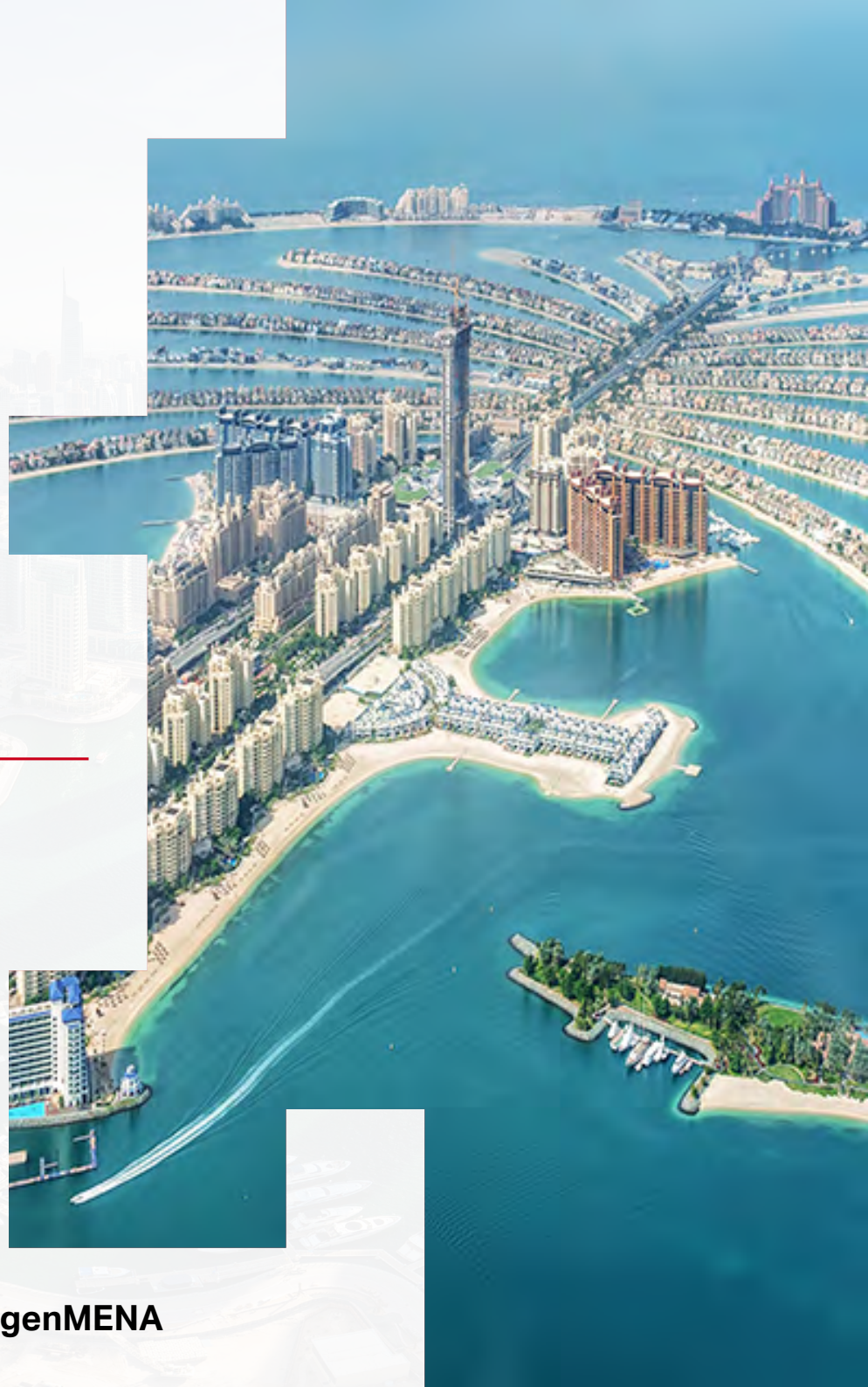
**27 February - 2 March 2023**  
**Address Dubai Marina**  
**Dubai, United Arab Emirates**

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[worldhydrogenmena.com](https://worldhydrogenmena.com)



**#WorldHydrogenMENA**





# Join us in Dubai for World Hydrogen MENA 2023

With its abundant supply of wind and solar energy, along with a rich heritage of experience in the Oil & Gas sector, the MENA region is poised to position itself as one of the most important exporters of clean hydrogen.

Central to the desire to export hydrogen from its low-cost solar and wind resources, is the necessity to build and develop international partnerships with import markets such as Europe and the Far East.

Among the key issues to be addressed for the region to truly fulfil its potential are the scaling-up of clean hydrogen production, the investment and development of local supply chains and workforce, infrastructure considerations around the methods and routes of transporting hydrogen, as well as the regulatory and political implications necessary for this global collaboration to succeed.

As such, we are delighted to be returning to Dubai, from **27 February - 02 March 2023**, to host our **World Hydrogen MENA** conference, where we will bring the entire international hydrogen value chain together to discuss the strategic and technological opportunities for hydrogen in the region and beyond.

## Topics to be discussed include:

- Scaling Up Green and Blue Hydrogen Production in MENA
- North Africa as a Green Hydrogen Hub
- Examining the Hydrogen Strategies of GCC
- Assessing Transport & Storage and Port Strategies for Hydrogen in MENA and beyond
- MENA's role in the Clean Ammonia Market
- Policy, Certification, and Regulation within Import/Export Markets
- Finance & Investment, Structuring Off-take Agreements, and Risk & Insurance around Hydrogen Developments

This conference is co-hosted by



An initiative of Dii Desert Energy



# What's new for 2023?



2022 saw the first and largest physical event in the MENA region focused specifically on hydrogen, we are returning next year to follow up with more key discussions and developments on the issues that matter most to the region, while bringing the entire international hydrogen value chain together to discuss the strategic and technological opportunities for hydrogen in the region.

- Dedicated pre-conference interactive 'Masterclass Day'
- Exponential growth; bigger venue, larger audience and more networking opportunities
- Diverse content with 3 afternoon streams tackling key topics that are vital to the development of hydrogen in the region
- Expanding the focus on global hydrogen production & export, with dedicated sessions on the perspectives of Africa & the Far East

It was so refreshing to have the opportunity to meet in person again with the broad set of professionals and experts that joined the event. It was the perfect opportunity to strengthen discussions on new projects and initiatives"

**EBRD**



# World Hydrogen MENA 2023 Sponsors



## Platinum Sponsor



## Gold Sponsors

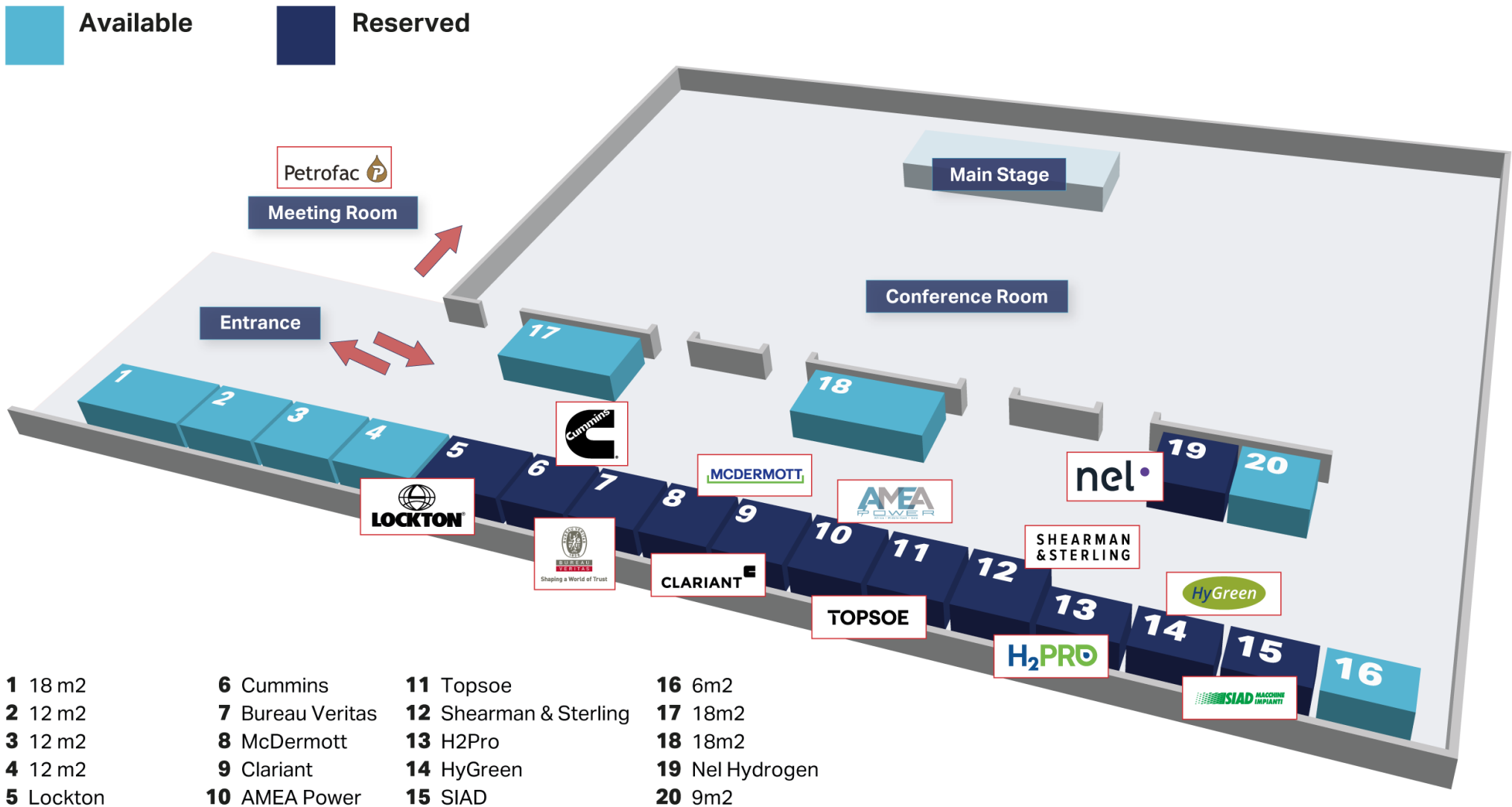


## Silver Sponsors





# Networking & Exhibition Floorplan



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**OLIVER SAWYER**

Sponsorship Director

[oliver.sawyer@worldhydrogenleaders.com](mailto:oliver.sawyer@worldhydrogenleaders.com) / +44 (0)203 355 4208

# World Hydrogen MENA 2023 in Numbers



Connect with senior level decision makers covering the entire renewable energy and hydrogen value chain: CEOs, Presidents, VPs, MDs, Directors, Heads of dept., Project Managers and many more...



**100**  
speakers



**400**  
attendees



**30**  
countries



**4**  
Hydrogen  
Masterclasses

**30%**



Developers, Utilities  
and EPCs

**30%**



Advisory  
Services and  
Technology Providers

**20%**



Financiers  
and Investors

**10%**

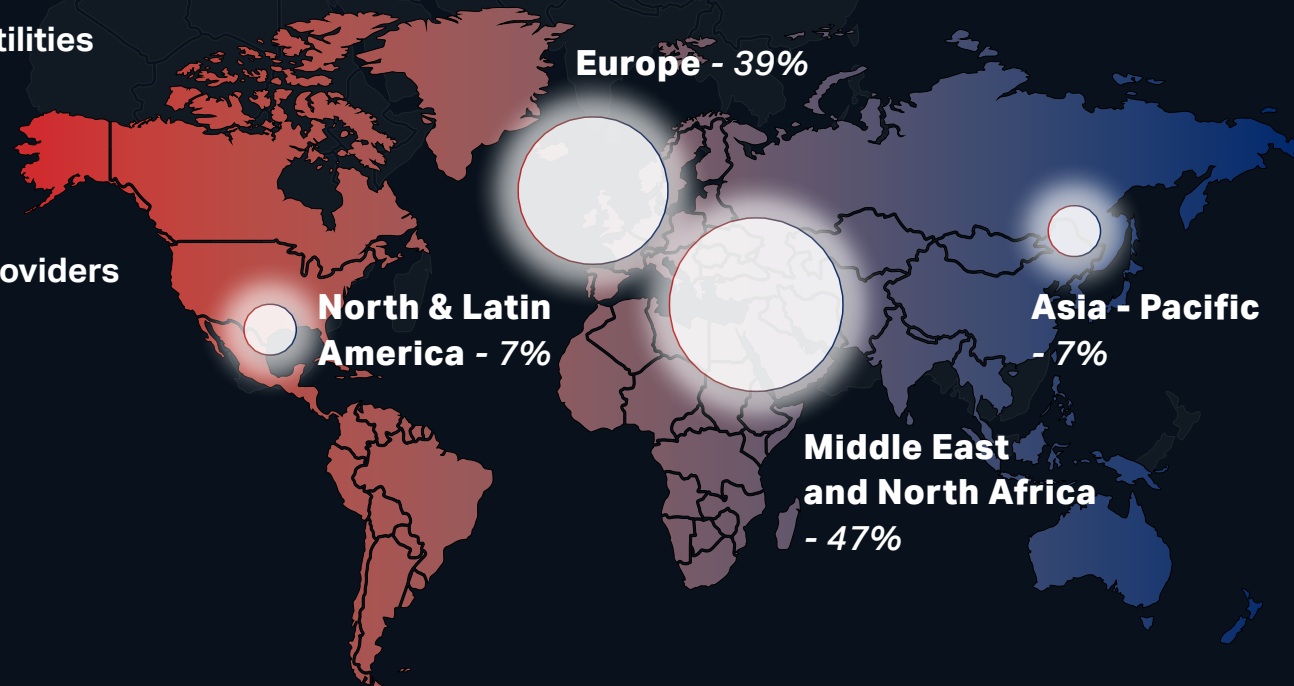


Corporate and Industrial  
Energy Buyers

**10%**



Government





# Agenda at a glance



Monday 27 <sup>th</sup> February Site Visit	Tuesday 28 <sup>th</sup> February Masterclass Day	Wednesday 1 <sup>st</sup> March Conference Day One - Exhibition Open			Thursday 2 <sup>nd</sup> March Conference Day Two - Exhibition Open		
	Morning Masterclasses	MENA Policy Perspectives – Collaborating for the Development of the Hydrogen Market			Scaling Up Green Hydrogen Production in MENA		
	Dii Desert Energy Roundtable Workshop	Examining the Hydrogen Strategies of GCC			Understanding the Hydrogen End Users – Getting the Demand Side Right		
	Certification of Hydrogen	North Africa as a Green Hydrogen Exporter + Morocco Case Study Panel			Navigating the Minefield of Hydrogen Certification for Trading		
		Bridging the Hydrogen Markets of Europe & MENA			Hydrogen Case Studies		
		Investing in Hydrogen			The Road to COP28		
	Networking Lunch	Networking Lunch			Networking Lunch		
Visit to Green Hydrogen Facility	Afternoon Masterclasses	Stream A Finance & Investment	Stream B Green Hydrogen	Stream C CCUS & Global Export Markets	Stream A Infrastructure, Transport & Storage	Stream B Green Energy Carriers & E-Fuels	Stream C Local Demand for Hydrogen
Tour of Electrolyser Facilities	Sustainable Ports: Hydrogen Hubs of the Future	Bankability & Hydrogen Technology	Optimising Green H2 Plant Operations	CCS Technology Innovations	Transport & Storage: Getting Hydrogen to the End Users	MENA's role in the Clean Ammonia Market	Supply Chains & Localised Hydrogen Production in MENA
		Structuring Contracts & Securing Bankable Offtake Agreements	Vibrancy of Renewable Energy Market in MENA region	The Hydrogen Strategy of MENA's Oil & Gas Sector	Assessing the Port Strategies for Hydrogen in MENA	Hydrogen for Green E-Fuels PtX/PtL: Understanding the final product application	Exploring Local Hydrogen Offtake in MENA 1: Industry
	Hydrogen for Decarbonising Industry in MENA Region	Risk and Insurance in Hydrogen Production	Sub-Saharan Africa's future as a Green Hydrogen Powerhouse	Exporting Hydrogen to the Far East: The policy & regulatory perspectives of Asia	Hydrogen Pipelines: An Alternative to Shipping	Global Trading & Storage of Hydrogen Carriers in MENA	Exploring Local Hydrogen Offtake in MENA 2: Mobility
		Drinks Reception					

# World Hydrogen MENA 2023 Thought Leaders



**Nawal Alhanaee**  
Director of Future Energy  
Department  
**Ministry of Energy and  
Infrastructure, UAE**



**Saïd Mouline**  
General Director  
**Moroccan Agency for Energy  
Efficiency (AMEE)**



**Emile Hoogsteden**  
Chief Executive Officer  
**Port of Sohar**



**Mohamed Al Ghailani**  
Global Sustainability Policy and  
Partnerships Regional Lead  
**Boeing**



**Tarik Hamane**  
Vice President Global Hydrogen  
Development & General Manager  
North Africa Subsidiaries  
**Total Eren**



**Christopher Hebling**  
Director - Hydrogen Technologies  
**Fraunhofer ISE**



**Cristian Carraretto**  
Associate Director – Sustainable  
Resource Investments  
**EBRD**



**Cornelius Matthes**  
Chief Executive Officer  
**Dii Desert Energy**



**Alicia Eastman**  
Co-Founder & President  
**InterContinental Energy**



**Thomas van Lith**  
Project & Structured Export  
Finance  
**Deutsche Bank**



**Barry Jones**  
SVP Power & Infrastructure  
**Lockton MENA**



**Dan Feldman**  
Partner, Global Head of Energy  
Innovation and Head of Global  
Hydrogen Industry Team  
**Shearman & Sterling LLP**



**Denis Thomas**  
Global Business Development  
Leader – Electrolyzers  
**Cummins**



**Francois Dao**  
Vice-President, Middle East &  
Africa  
**EDF Renewables**



**Reggy Vermeulen**  
Chief Executive Officer  
**Port of Duqm Company SAOC**



**Andrea Lovato**  
Executive Vice President & Head  
of Renewable Development &  
Green Hydrogen  
**ACWA Power**



**Maged Mahmoud**  
Technical Director  
**Regional Center for Renewable  
Energy and Energy Efficiency  
(RCREEE)**



**Robert Wilson**  
Energy Construction Leader  
**Lockton Global Energy**



**Luc Koechlin**  
Chief Executive Officer Middle East  
**EDF**



**Elina Kamenitzer**  
Director, Operations Support &  
Climate, Operations Directorate  
**European Investment Bank**



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



**Frank Wouters**  
Chair & Director, EU GCC Clean  
Energy Technology Network  
**MENA Hydrogen Alliance**



**Suhail Shatila**  
Senior Energy Specialist  
**Arab Petroleum Investments  
Corporation**



**Kamal Htoute**  
Strategy and Planning Director  
**National Office of Electricity  
and Water (ONEE)**



**Ad van Wijk**  
Professor Future Energy Systems  
**Technical University of Delft**



**Ali Zerouali**  
Head of Cooperation &  
International Development  
**Moroccan Agency for Sustainable  
Energy (MASEN)**



**Howard Bevan**  
Energy Advisor and Secretary to  
Board of Trustees **Abdullah Bin  
Hamad al-Attayah Foundation for  
Energy & Sustainable Development**



**Laurence Boisramé**  
Hydrogen Global Sales  
Director  
**Bureau Veritas**



**Eric Warners**  
Strategic Projects Lead  
**Port of Amsterdam**



**Niall Mac Dowell**  
Professor Future Energy Systems  
**Imperial College London**



**Kohei Toyoda**  
Director General for Energy  
Transformation Strategy  
**Japan Bank for International  
Cooperation**



**Samir Rachidi**  
Acting General Manager  
**IRESN**



# World Hydrogen MENA 2023 Thought Leaders



**Antonio Iliceto**  
Chairman  
**CIGRE SC C1**



**Wouter Vanhoudt**  
Coordinator  
**CertifHy**



**Mohammad Abu Zahra**  
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Africa (MENA) Region  
**Global CCS Institute**



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**GIZ**



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Director Transaction Advisory  
**Dii Desert Energy**



**Fadi Maalouf**  
CTO  
**Dii Desert Energy**



**Chris Peters**  
Chief Executive Officer  
**Tristar Maritime Logistics**  
- Emirates Ship Investment  
Company LLC



**Steve Griffiths**  
SVP R&D  
**Khalifa University of Science and  
Technology**



**Lew Evans**  
Chief Executive Officer  
**Nexus Resilience Group**



**Oliver Phillips**  
Africa & Middle East Lead  
**Standard Chartered**



**Ioannis Zuburtikudis**  
Professor of Chemical Engineering  
& Chair of ChE Department  
**Abu Dhabi University**



**Chris Gentle**  
Senior Advisor  
**World Energy Council**



**Vamsi Duraibabu**  
Regional Investment Lead  
**Global Green Growth Institute**  
(GGGI)



**Mohamed Bousseta**  
Director of "Innovate for Industry"  
**Mohammed VI Polytechnic  
University (UM6P)**



**Faisal Eissa**  
General Manager  
**Lekela Power**



**Sausan Al Riyami**  
Director  
**Oman Hydrogen Center**



**Manfred Schuckert**  
Head of Automotive Regulatory  
Strategy  
**Daimler**



**Jean-Baptiste Rolland**  
Co-Head European Chemicals  
Investment research  
**Credit Suisse**



**Siggi Huegemann**  
Co-founder and Secretary General  
**African Hydrogen Partnership**  
(AHP)



**Dr. Dalia Samra-Rohte**  
Delegate of German Industry  
& Commerce for Saudi Arabia,  
Bahrain and Yemen **German-  
Saudi Arabian Liaison Office for  
Economic Affairs (GESALO)**



**Benedict Libanda**  
Chief Executive Officer  
**Environmental Investment Fund  
of Namibia**



**Matteo Gillerio**  
Head Of Business Development for  
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**Ravi Suri**  
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**Actis**



**Wael Hamed Abdel Moati**  
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**(OAPEC) Organization of Arab  
Petroleum Exporting Countries**



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**Syed Naqvi**  
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**Tobias Janning**  
International Business  
Development Director  
**HY2GEN**



**Ghaith Khzai**  
Director, Smart Systems &  
Collection Receivables  
**JEPKO**



**Kishan Khoday**  
Regional Team Leader for Nature,  
Climate and Energy  
**UNDP**



**Juan Carlos G. Bonilla**  
SVP - Business Excellence &  
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**OMV Group**

# World Hydrogen MENA 2023 Thought Leaders



**Aymen Koubaa**  
Regional Head Energy and  
Infrastructure Middle East  
**Societe Generale**



**Ahmed Ali Al-Ebrahim**  
Chief Executive Officer  
**GCC Interconnection Authority**



**Sacha Parneix**  
Vice-President Sales &  
Marketing  
**Alstom**



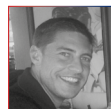
**Cyril Dufau-Sansot**  
CEO  
**HY2GEN**



**Sofoklis Makridis**  
Chief Researcher, Hydrogen,  
Renewable and Sustainable Energy  
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**Technology Innovation Institute  
and Water (ONEE)**



**Reda Hamedoun**  
Executive Vice President  
**Nareva Holdings**



**Raymond Schmid**  
VP Sales & Marketing  
**Nel Hydrogen**



**Mohamed Amer**  
Global Head of Power-to-X  
**Scatec ASA**



**Ashwani Dudeja**  
President & Director (Green  
Hydrogen and Ammonia)  
**ACME Group**



**Jan-Niklas Beck**  
Project Manager, Green Hydrogen  
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**Fatemeh Rezazadeh**  
Vice President – Hydrogen  
**VARO Energy**



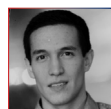
**Hamead Ahrary**  
Head of Hydrogen  
**Verbund**



**Jonathan Carpenter**  
Vice President - New Energy  
Services  
**Petrofac**



**Matteo Benincasa**  
Regional Sales Director MEA  
**EthosEnergy**



**Jaime Correal**  
Global Senior Director, Energy  
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**McDermott**



**Hussein Matar**  
Senior Director, Business  
Development  
**AMEA Power**



**Jan Frederik Braun**  
Senior Expert Hydrogen Economy  
(MENA Region)  
**Fraunhofer ISE**



**Youssef Merjaneh**  
Senior Vice President & Managing  
Director – Europe, Middle East and  
Africa  
**Black & Veatch**



**Mohammed Jassim**  
Head of Sales MENA  
**Clariant**



**Manuel Coxe**  
Secretary General  
**MARCOGAZ**



**Bo Hartvigsen**  
Senior Business Development  
Director  
**Topsoe**

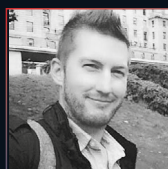


**Petra Schwager**  
Chief, Climate and Technology  
Partnerships Division  
**UNIDO**



**Essam AL Sheibany**  
Group Vice President QHSSE &  
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**ASYAD**

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# Our participants say it best...

“ World Hydrogen MENA was a fantastic event to broaden and deepen my network.”

**PtX Hub Brussels (GIZ)**

“ After attending the first World Hydrogen MENA conference, I connected with many interesting people from the industry and also secured our first offtake agreement for GETEC Group. Will definitely join the next event”

**GETEC Switzerland AG**

“ Great and renewed insight into the MENA way forward”

**Saga Pure ASA**

“ During the conference you managed to bring together an incredible panel of experts from the hydrogen sector – so thanks a lot for the great event to you and your team”

**T.S. - Private Infrastructure Group**

## World Hydrogen Mena 2022 in the press

### “ Saudi Arabia Looks To Position NEOM As A Hydrogen Leader”

At the first-ever conference devoted exclusively to carbon-free hydrogen in the Middle East and North Africa (MENA), participants looked in depth at the technical and financial complexities of getting major projects off the ground. They covered projects announced by various consortiums worldwide, all in early-stage development. An exception appeared in Saudi Arabia's \$5bn hydrogen-based ammonia plant, a project of the NEOM Energy & Water Company.

Many conference participants and panelists saw NEOM's ambitious green hydrogen-to-ammonia project as the most likely leader. They expressed confidence that, among the many major green hydrogen initiatives now appearing in the news, this one at least would reach actual production...

**[Read the full article here](#)**

# World Hydrogen MENA 2023

Pre-Conference Masterclass Day • Tuesday 28<sup>th</sup> February 2023

**09:00 – 10:50**

## Dii Desert Energy Roundtable Workshops

- **Lessons Learnt: Global Green Hydrogen Cost Optimization VOT-BFT Model**

- Optimum PV+Wind capacity sizing for optimum LCOH
- Modelling based on hourly temporal correlation
- Standalone and grid connection schemes

**Workshop Leader:** Fadi Maalouf, CTO, **Dii Desert Energy**

- **Project Transaction Development Platform**

**Workshop Leader:** Karim Magherbi, Director Transaction Advisory, **Dii Desert Energy**

**10:50 – 11:10**

## Networking Break

**11:10 – 13:00**

### Certification of Hydrogen – CertifHy

Certification schemes will support hydrogen's market growth as they are a reliable tool for consumers to track hydrogen's origin and environmental attributes both in voluntary markets for customer disclosure and mandatory markets set by European Directives. This masterclass will focus on the importance of certification for hydrogen, cover some of the common concepts and discuss the important role it will play for hydrogen development. We will then take a deeper dive into what kind of certification is building in Europe in general and take a closer look at CertifHy's development both in voluntary and mandatory markets so far and going forward.

**Workshop Leader:** Wouter Vanhoudt, Coordinator, **CertifHy**

**13:00 – 14:00**

## Networking Lunch Break

**14:00 – 15:50**

### Sustainable Ports: Hydrogen Hubs of the Future

As the MENA region is poised to be at the forefront of hydrogen exports, the question of what role ports, and their surrounding infrastructure, will play in this transition to net-zero becomes an important one. Not only do ports hold the key to the future storage and distribution of hydrogen in all of its derivatives, but the often-close proximity to the generation and demand side also means they can be seen as vital hydrogen hubs for the future. This workshop will assess the strategies and future developments of ports, around the MENA region and beyond, and explore what the opportunities are, what investment and development is needed, and how exactly will ports drive the clean hydrogen revolution.

**15:50 – 16:10**

## Networking Break

**16:10 - 18:00**

### Hydrogen for Decarbonising Industry in MENA Region

While the production of zero and low carbon hydrogen in the MENA region is strongly geared towards the future potential of exports, there's no denying that its use for the decarbonisation of industries closer to home are of equal importance. This workshop will delve deeper into the investment, projects and pledges in the pipeline for utilising clean hydrogen, as well as ammonia, methanol and other derivatives, in the heavy industry and hard to abate sectors in the Middle East and North Africa.

**18:00**

## End of Masterclass Day





# World Hydrogen MENA 2023

Conference Day 1 • Wednesday 1<sup>st</sup> March 2023

08:50 – 09:00

Welcome Address

09:00 – 09:10

## Clean Hydrogen as an Emerging Factor in the Global Energy Market

- Latest updates and developments
- How net emission free hydrogen and its derivatives will add to global energy security at lowest costs
- What challenges across the value chain and in global trading need to be resolved to accelerate hydrogen economies?

Paul Van Son, President, [Dii Desert Energy](#); [European Federation of Energy Traders \(EFET\)](#)

09:10 – 09:50

## Panel: MENA Policy Perspectives – Collaborating for the Development of the Hydrogen Market

- Discussing the policy frameworks for the MENA region's role as a clean hydrogen export powerhouse
- With Europe poised as the biggest importer for MENA produced hydrogen, how can national and international government collaborations ease certain challenges such as cost of production, investment needed for infrastructure, and simplified regulation?
- Exploring the needs and perspectives of major import regions, such Europe and East Asia, and the political and trade collaboration that would benefit MENA by developing a global hydrogen market
- Tackling the global challenge of supply chains within the Hydrogen Valleys

**Moderator:** Cornelius Matthes, CEO, [Dii Desert Energy](#)  
Nawal Alhaneaee, Director of Future Energy Department, [Ministry of Energy and Infrastructure, UAE](#)  
Alicia Eastman, Co-Founder & President, [InterContinental Energy](#)  
Francois Dao, Vice-President, Middle East & Africa, [EDF Renewables](#)  
Dan Feldman, Partner, Global Head of Energy Innovation and Head of Global Hydrogen Industry Team, [Shearman & Sterling LLP](#)

09:50 – 10:05

## Presentation: Hydrogen Development within the Gulf Cooperation Council

- How would the creation of local hydrogen markets affect local economies and employment prospects?
- Outlining the collaboration within the research & development for projects and low-carbon hydrogen technologies
- Implications for creating value in downstream markets closer to production

Christopher Hebling, Director - Hydrogen Technologies, [Fraunhofer ISE](#)

10:05 – 10:45

## Examining the Hydrogen Strategies of GCC (Gulf Cooperation Council)

- Assessing the individual strategies of GCC countries for the production and local use of clean hydrogen
- Updates on what's been published so far by Saudi Arabia and UAE, and the progress of some of the other countries
- How would the creation of local hydrogen markets affect local economies and employment prospects?

Sausan Al Riyami, Director, [Oman Hydrogen Center](#)  
Ahmed Ali Al-Ebrahim, Chief Executive Officer, [GCC Interconnection Authority](#)  
Andrea Lovato, Executive Vice President & Head of Renewable Development & Green Hydrogen, [ACWA Power](#)

10:45 – 11:25

## Panel: North Africa as a Green Hydrogen Hub

- Assessing the activity around green ammonia production and the shipping around the Suez Canal
- Comparing the cost competitiveness of North Africa as an exporter of to Europe
- Addressing the challenges for further developing the region's capacity and production on renewable energy
- Exploring the developments in pipelines for the transportation of hydrogen and the medium-to-long term outlook of delivery
- What investments are European players making in the development of infrastructure in North Africa for the transport of green hydrogen
- Evaluating the key learnings and projected decarbonisation targets from COP27 in Cairo

**Moderator:** Manuel Coxe, Secretary General, [MARGOAZ](#)  
Cristian Carraretto, Associate Director – Sustainable Resource Investments, [EBRD](#)  
Antoine Vagneur-Jones, Senior Associate, [BloombergNEF](#)  
Frank Wouters, Chair & Director, EU GCC Clean Energy Technology Network, [MENA Hydrogen Alliance](#)  
Reda Hamedoun, Executive Vice President, [Nareva Holdings](#)  
Hussein Matar, Senior Director, Business Development, [AMEA Power](#)

# World Hydrogen MENA 2023

Conference Day 1 • Wednesday 1<sup>st</sup> March 2023

**11:25 – 11:55**

*Morning Networking Break*

**11:55 – 12:35**

## Morocco Case Study Panel

- Understanding the activity of green hydrogen production in Morocco
- Policy & regulatory frameworks for accelerating the clean hydrogen and renewables agenda
- What infrastructure investments are needed for the future proofing of the Moroccan hydrogen export market?

**Samir Rachidi**, Acting General Manager, [IRESEN](#)  
**Saïd Mouline**, General Director, [Moroccan Agency for Energy Efficiency \(AMEE\)](#)  
**Kamal Htoute**, Strategy and Planning Director, [National Office of Electricity and Water \(ONEE\)](#)  
**Ali Zerouali**, Head of Cooperation & International Development, [Moroccan Agency for Sustainable Energy \(MASEN\)](#)

**12:35 – 12:50**

## Bridging the Hydrogen Markets of Europe & MENA

- Important developments in the EU regarding the 'European Hydrogen Bank'
- The German H2global and other national incentive programmes
- Updates on the development of intercontinental infrastructure
- Outlining storage and strategic reserve strategies and policies in the mutual benefit of both EU and MENA region

**Ad van Wijk**, Professor of Future Energy Systems, [Technical University of Delft](#)

**12:50 – 13:05**

## Presentation: Clean hydrogen deployment in the EU-MENA region (2030-2050): What is feasible and required

- Which hydrogen production and import volumes in the EU-MENA region are feasible?
- How can imports be integrated into the existing natural gas grid infrastructure?
- What amount of storage capacity needs to be developed across the EU-MENA region?
- Which evaluation criteria that need to be taken into consideration to make a feasible assessments of hydrogen production in MENA region that can be available for Europe?

**Jan Frederik Braun**, Senior Expert Hydrogen Economy (MENA Region), [Fraunhofer ISE](#)

**13:05 – 13:25**

## Presentation: On Our Pathway to Form a Green Hydrogen Economy

- Green hydrogen as enabler for the energy transition
- The importance of short- and long-term approach to ramp up the green hydrogen industry
- The role and importance of the MENA region to import green hydrogen and secure long-term supply for (Central) Europe
- Roles and Responsibilities along the value chain and the need for orchestration
- Necessary boundary conditions along the way

**Hamead Ahrary**, Head of Hydrogen, [Verbund](#)

**13:25 – 14:30**

*Lunch & Networking Break*

# World Hydrogen MENA 2023

Conference Day 1 • Wednesday 1<sup>st</sup> March 2023

## Stream A Finance & Investment

### 14:30 – 15:10 Panel: Investing in Hydrogen

- Investment trends in new hydrogen technology innovations
- In the absence of a hydrogen spot market, how can bilateral contracts be created to finance projects and develop the market?
- Understanding the recent geopolitical and energy dynamics that is focusing on investment in upstream hydrocarbons, and how this affects investment in hydrogen and other green technologies
- Unpacking the complexity around the funding structures for hydrogen projects when multiple players are involved

**Chris Gentle**, Senior Advisor, [World Energy Council](#)  
**Oliver Phillips**, Africa & Middle East Lead, [Standard Chartered](#)  
**Fatemeh Rezazadeh**, Vice President – Hydrogen, [VARO Energy](#)

### 15:10 – 15:50 Panel: Structuring Contracts & Securing Bankable Offtake Agreements

- Considering the foundations for structuring a contract between a developer/producer and the off-taker
- Exploring the different mechanisms of offtake agreements, such as fixed, variable, and floor & cap priced mechanisms
- Evaluating the equity mixture in establishing long-term contracts, and how this affects hydrogen project success
- Understanding risk mitigation strategies around hydrogen purchase agreements within the context of current MENA project developments
- What part will traditional energy utility companies play as potential intermediaries in offtake agreements for larger scale, integrated hydrogen projects?

**Thomas van Lith**, Vice President Project Finance, [Deutsche Bank](#)  
**Jean-Baptiste Rolland**, Co-Head European Chemicals Investment Research, [Credit Suisse](#)  
**Aymen Koubaa**, Regional Head Energy and Infrastructure Middle East, [Societe Generale](#)

### 15:50 – 16:30 Afternoon Networking Break

## Stream B Green Hydrogen

### 14:30 – 15:10 Panel: Optimising Green H2 Plant Operations

- Assessing the integration of technologies needed to drive down the costs of building green hydrogen plants
- Looking ahead to the development of integrated renewable energy and electrolyser projects that will transform projects into products
- Exploring the role regional based O&M players will have within the value chain
- Best practices around hybrid plant design and operation

**Ioannis Zuburtikudis**, Professor of Chemical Engineering & Chair of ChE Department, [Abu Dhabi University](#)  
**Raymond Schmid**, VP Sales & Marketing, [Nel Hydrogen](#)

### 15:10 – 15:50 Panel: Vibrancy of Renewable Energy Market in MENA region

- Pulse-checking the vibrancy of the renewable energy markets in the MENA region in the context of the amounts of green electricity needed for the pipeline of hydrogen projects
- Understanding the current link between green electrons and green molecules and the successful integration of two, at times, very different industries
- Exploring the government strategies and regulations, in terms of aspects such as wheeling charges and network usage, for building up the solar and wind projects necessary to power electrolyzers
- Assessing whether the local auction pipeline of renewable energy projects is enough to meet the demand
- How has the recent inflationary environment affected these projects and the wider emerging value chains

**Reda Hamedoun**, Executive Vice President, [Nareva Holdings](#)  
**Faisal Eissa**, General Manager, [Lekela Power](#)  
**Ghaith Khzai**, Director, Smart Systems & Collection Receivables, [JEPSCO](#)  
**Antonio Iliceto**, Chairman, [CIGRE SC C1](#)

### 15:50 – 16:30 Afternoon Networking Break

## Stream C CCUS & Global Export Markets

### 14:30 – 15:10 Panel: CCS & the Circular Carbon Economy

- Considering the huge gap between the potential scale up the blue hydrogen market and the technological progress with carbon capture
- Assessing the focus of CCS and CCU within the decarbonisation strategies of certain countries (such as Saudi Arabia) with a focus on circular carbon economy (CCE)
- Exploring the role of carbon capture storage and exporting blue ammonia to Europe, and the regulatory challenges that exist within this
- Tackling the potential challenges and barriers around exporting blue hydrogen to Europe – with current EU import policies primarily focused towards green
- Looking ahead to the role other non-green technologies, such as pyrolysis, will have on the sector with existing, lucrative markets for solid carbon already in place

**Dr Mohammad Abu Zahra**, Head of Middle East and North Africa (MENA) Region, [Global CCS Institute](#)  
**Niall Mac Dowell**, Professor Future Energy Systems, [Imperial College London](#)  
**Matteo Benincasa**, Regional Sales Director MEA, [EthosEnergy](#)

### 15:10 – 15:50 Panel: The Hydrogen Strategy of MENA's Oil & Gas Sector

- Understanding the perspective of the Oil & Gas sector and their decarbonisation strategies
- With Gulf countries established as amongst the world's lowest cost producers of natural gas in the world, what impact will this have on existing natural gas users reliant on long-term supply contracts with state-owned companies?
- Considering the latest oil and gas developments that are facilitating the increase in blue hydrogen production
- Exploring the end-use sectors, such as in fertilisers and in co-fired power plants, and the import markets that are seeing the bulk of market activity

**Wael Hamed Abdel Moati**, Gas Industries Expert, [\(OAPEC\) Organization of Arab Petroleum Exporting Countries](#)

### 15:50 – 16:30 Afternoon Networking Break



# World Hydrogen MENA 2023

Conference Day 1 • Wednesday 1<sup>st</sup> March 2023

## Stream A

### Finance & Investment

#### 16:30 – 16:50 Presentation: The Creation of a Successful Hydrogen Commodity Market

- How will it be indexed?
- What currency should you trade in?
- How are traders viewing the development of the market?

#### 16:50 – 17:10 Presentation: Risk and Insurance in Hydrogen Production

- Understanding the technology risks in early-stage projects, and what government support and subsidies could benefit the risk mitigation
- Considering the perspectives of the insurance sector when establishing the market frameworks

#### 17:10 – 17:50 Panel: Bankability & Hydrogen Technology

- Evaluating the bankability of a hydrogen project in the context of the technology involved
- Assessing the maturity and investor appetite around different electrolyser methods
- What types of electrolysis and other production technologies are in line with the expectation of banks and financial institutions for investment and funding?
- Understanding the technicalities of an integrated hydrogen project and assessing the bankability during the construction and operation phases

**Moderator:** Youssef Merjaneh, Senior Vice President & Managing Director – Middle East and Africa, **Black & Veatch**  
**Tarik Hamane**, Vice President Global Hydrogen Development, **Total Eren**

**Ravi Suri**, Senior Managing Director, **A.P. Moller Capital**  
**Hernan Arrigone**, Investment Principal - Energy and Infrastructure Operations, **Actis**

**Tobias Janning**, International Business Development Director, **HY2GEN**

17:50

Drinks Reception

## Stream B

### Green Hydrogen

#### 16:30 – 16:50 Presentation: Taking the Next Step in the Evolution of Electrolysis

- Development, industrialization, and commercialization of new technologies for renewable hydrogen production
- The scaling up of electrolyser manufacturer production facilities
- Innovations that can increase efficiency and dramatically improve the levelized cost of hydrogen (LCOH)

**Denis Thomas**, Global Business Development Leader – Electrolyzers, **Cummins**

#### 16:50 – 17:10 Presentation: Efficient conversion of H<sub>2</sub>O and CO<sub>2</sub> using high temperature SOEC electrolysis

- Status of SOEC Development
- Efficiency of SOEC
- Advantages for downstream processes

**Bo Hartvigsen**, Senior Business Development Director, **Topsoe**

#### 17:10 – 17:50 Panel: Sub-Saharan Africa's future as a Green Hydrogen Powerhouse

- Exploring what role the wider African continent will play in the global renewable hydrogen economy
- What investment is needed on the continent for the development of renewable energy and green hydrogen projects
- Implications for the wider economic and employment prosperity for Africa
- Assessing the export opportunities and how the region can compete with the Middle East
- Debating the geopolitical future of building the manufacturing and factory hubs to where the materials and minerals are in Africa

**Siggi Huegemann**, Co-founder and Secretary General, **African Hydrogen Partnership (AHP)**

**Vamsi Duraibabu**, Regional Investment Lead, **Global Green Growth Institute (GGGI)**

**Benedict Libanda**, Chief Executive Officer, **Environmental Investment Fund of Namibia**

**Oghosa Erhahon**, Advisor - Global Hydrogen Diplomacy (Nigeria), **GIZ**

## Stream C

### CCUS & Global Export Markets

#### 16:30 – 16:50 Presentation: From Concept to Reality: Project Execution to Enable Hydrogen Projects

- Exploring concept to completion models in the MENA region
- Fabrication, modularization, construction approaches
- Collaborative approaches and risk allocation considerations

**Jaime Correal**, Global Senior Director, Energy Transition, **McDermott**

#### 16:50 – 17:10 Presentation: Technological Advances in CCS & Pyrolysis

- Examining the technological advantages in the development of CCS & Pyrolysis technology
- The role turquoise hydrogen will play in transforming the highly successful existing natural gas industry
- The applications and economics of producing solid carbon through pyrolysis

#### 17:10 – 17:50 Panel: Exporting Hydrogen to the Far East: The Policy & Regulatory Perspectives of Asia

- Exploring MENA's export potential to Far East Asian markets, such as Japan & South Korea
- Understanding the perspectives of Japan and other Asian markets around their import strategies regarding hydrogen produced in the MENA region
- Analysing the business case and shipping economics for a market such as Japan – which lacks the land supply for production – to reply on imports
- Discussing the regulatory framework and roadmap within Japan around the definition and standardisation of hydrogen
- Evaluating the colour agnostic economic strategies of Far East Asian markets, the transitionary part that blue ammonia is playing in their power systems, and the role the MENA region is playing in this strategy

**Kohei Toyoda**, Director General for Energy Transformation Strategy, **Japan Bank for International Cooperation**

# World Hydrogen MENA 2023

Conference Day 2 • Thursday 2<sup>nd</sup> March 2023

08:50 – 09:00

Welcome Address

09:00 – 09:40

## Panel: Understanding the Hydrogen End Users – Getting the Demand Side Right

- Solving the demand side of hydrogen production in MENA and beyond
- Understanding the concerns from the offtake perspective – what are the challenges and motivations for embarking on the hydrogen journey?
- Exploring the challenges, from both the supply and demand side, for securing reasonable offtake contracts when the price of hydrogen, and the technology used to produce it, is expected to fall
- Understanding what the hydrogen offtake market requires from producers, developers, and policymakers
- Assessing what the biggest and most important markets for clean hydrogen will be, and what these markets want to see from the rest of the value chain

**Manfred Schuckert**, Head of Automotive Regulatory Strategy, **Daimler**  
**Matteo Gillerio**, Head of Business Development, MENA Region, **Duferco**  
**Juan Carlos G. Bonilla**, SVP - Business Excellence & Innovation, **OMV Group**  
**Sacha Parneix**, Vice-President Sales & Marketing, **Alstom**

09:40 – 10:20

## Panel: Navigating the Minefield of Hydrogen Certification for Trading

- Addressing the challenges and uncertainties around the process of clearly establishing harmonisation in the standards of certification for green hydrogen
- Given Europe's huge import market potential, how can developers and producers in the MENA region gain clarity in a landscape of different standards?
- Striking the balance for hydrogen developers regarding additionality when generating hydrogen from renewable sources dedicated for green hydrogen? How will this affect green hydrogen production in the short-to-medium term?
- What other temporal and geographical considerations need to be addressed to repair the patchwork of certification and solve the current inoperability in the sector?

**Laurence Boisramé**, Hydrogen Global Sales Director, **Bureau Veritas**

10:20 – 10:35

## Accessing the European Hydrogen Market Through the Port of Amsterdam

- Port of Amsterdam is the fourth biggest port of Europe and a global fuel hub
- All relevant industrial sectors in the Port and hinterland face a huge decarbonization challenge in years to come
- The future import market for green hydrogen will consist of a suite of companies, technologies and transport modes
- Re-using our current bulk infrastructure and network can lower the costs for import significantly and (therewith) accelerate the transition
- We focus on import via hydrogen carriers which have the best fit with our infrastructure, location and existing network
- Port of Amsterdam enables and accelerates the transition by shaping new value chains for green hydrogen from source to (future) off-takers

**Eric Warners**, Strategic Projects Lead, **Port of Amsterdam**

# World Hydrogen MENA 2023

Conference Day 2 • Thursday 2<sup>nd</sup> March 2023

**10:35 – 11:15**

## Panel: Scaling Up Green Hydrogen Production in MENA

- Assessing what collaboration and investment is needed to scale-up the production of green hydrogen to meet the gigawatt sized projects
- Considering the challenges within global supply chains, from raw materials to other construction bottlenecks, and the impact this is having on the cost of electrolyzers
- How could financial instruments, such as carbon credits lower the cost of production of green hydrogen?
- Understanding the competing view of the various electrolyser technologies, from PEM, Alkaline, Solid Oxide etc., and how this will play a part in the selection and implementation of successful projects

**Luc Koechlin**, Chief Executive Officer Middle East, **EDF**  
**Maged Mahmoud**, Technical Director, **Regional Center for Renewable Energy and Energy Efficiency (RCREEE)**  
**Mohamed Amer**, Global Head of Power-to-X, **Scatec ASA**

**11:15 – 11:45**

## Morning Networking Break

**11:45 – 12:40**

## Hydrogen Project Case Studies

In depth project updates and case studies featuring the most innovative and promising hydrogen projects in the region, from ports and infrastructure, to solar and CCS.

### Case Study 1: Large-scale off-grid renewable power for green hydrogen and green ammonia production

- Off-take markets for project's bankability
- End-to-end project for efficiency optimization
- Project's risks and opportunities

**Cyril Dufau-Sansot**, CEO, **HY2GEN**

### Case Study 2: Oman Green Ammonia Project

**Ashwani Dudeja**, President & Director (Green Hydrogen and Ammonia), **ACME Group**

**12:40 – 13:20**

## Panel: The Road to COP28

- Looking ahead to the investment and development prosperity of the COP28 conference in Dubai
- What expectations will the international community have for global net-zero targets, and what will the MENA region's role be in this
- What policies and regulations do producers, developers, and off takers need to see for the clean hydrogen market to be high on the COP28 agenda?

**Kishan Khoday**, Regional Team Leader - Nature, Climate and Energy, **UNDP**  
**Howard Bevan**, Energy Advisor and Secretary to Board of Trustees, **Abdullah Bin Hamad al-Attiyah Foundation for Energy & Sustainable Development**

**13:20 – 14:30**

## Lunch & Networking Break



# World Hydrogen MENA 2023

Conference Day 2 • Thursday 2<sup>nd</sup> March 2023

## Stream A

### Infrastructure, Transport & Storage

#### 14:30 - 15:10 Panel: Assessing the Port Strategies for Hydrogen in MENA and Beyond

- Considering the opportunities for creating hydrogen hubs in ports
- What investment is required for the infrastructure needed for hydrogen production and storage in ports in the MENA region
- How are ports in Oman, Saudi Arabia, Egypt and UAE are establishing free zones to facilitate trade and the investment of hydrogen in the region?
- Discussing the emergence of ports as industrial hydrogen clusters and the impact this will have on the local hydrogen strategies in MENA
- Evaluating the application of the LNG model in the scale up of hydrogen projects using limited non-recourse project finance

**Emile Hoogsteden**, CEO, **Port of Sohar**

**Reggy Vermeulen**, Chief Executive Officer, **Port of Duqm Company SAOC**

#### 15:10 – 15:50 Panel: Transport & Storage: Getting Hydrogen to the End Users

- Considering the infrastructure necessary for the transportation and storage of hydrogen to export markets
- Understanding the vast challenges of building new infrastructure to meet the demands of the MENA regions' hydrogen export objectives
- Debating the current capacity for ports and the increase needed to handle the amount of ammonia expected to be exported to Europe
- Analysing the cost implications of this conversion, and assessing the collaborations needed to pay for it

**Mohamed Al Ghailani**, Global Sustainability Policy and Partnerships Regional Lead, **Boeing**

## Stream B

### Green Energy Carriers & E-Fuels

#### 14:30 – 15:10 Panel: MENA's Role in the Clean Ammonia Market

- Assessing MENA's role for exporting both green and blue hydrogen via ammonia
- What are the projected market growth estimates for clean ammonia, and how are players in and around the MENA region preparing for this market surge?
- Discussing the infrastructure challenges in both the export and import markets, that will need to be resolved to meet projected demands
- Evaluating the practical and financial challenges around the ammonia cracking and converting the hydrogen on the import side
- Considering the regulatory differences between green and blue ammonia and how this will affect the production and conversion costs downstream

**Jan-Niklas Beck**, Project Manager, Green Hydrogen & International Cooperation, **GIZ**

**Syed Naqvi**, CTO, **ACME Group**

**Jonathan Carpenter**, Vice President - New Energy Services, **Petrofac**

#### 15:10 – 15:50 Panel: Hydrogen for Green E-Fuels PtX/ PtL: Understanding the Final Product Application

- Summary of support policy & regulation for green e-fuels (EU, Japan, USA, Global)
- Assessing green ammonia as fuel for power generation and fuel for shipping
- Exploring the role of green e-methanol as a feedstock for chemical industry and fuel for shipping
- Sustainable Aviation Fuel (SAF) / e-Kerosene for aviation
- Sustainable CO2 feedstock for e-Methanol & e-Kerosene and delivery infrastructure via pipeline & ships

**Mohamed Bousseta**, Director of "Innovate for Industry", **Mohammed VI Polytechnic University (UM6P)**

**Chris Peters**, Chief Executive Officer, **Tristar Maritime Logistics**

## Stream C

### Local Demand for Hydrogen

#### 14:30 – 15:10 Panel: Supply Chains & Localised Hydrogen Production in MENA

- Evaluating MENA's opportunity to attract investment in order to localise the supply chains and manufacturing capacities
- How will water desalination affect local supply chains in the massive scaling up of green hydrogen in the region
- Debating the responsibility of energy companies and project developers when it comes to engaging with local communities regarding the sustainability of water and ecosystems
- Assessing the huge importance of collaboration that's necessary in the region for the market development within different countries
- Understanding the collaboration and public/private partnerships that will enable this development

**Lew Evans**, CEO, **Nexus Resilience Group**

**Quentin Blommaert**, Head - Hydrogen Diplomacy Office, **GIZ**  
**Sofoklis Makridis**, Chief Researcher, Hydrogen, **Renewable and Sustainable Energy Research Center, Technology Innovation Institute**

#### 15:10 – 15:50 Panel: Exploring Local Hydrogen Offtake in MENA: Industry

- Debating question of local hydrogen offtake in MENA for industrial sectors
- What are the options for hydrogen in the production of green steel: should the region export the hydrogen or the steel?
- Assessing case studies within hard to abate sectors in the region, the investment within industry supply chains and the support needed to strengthen viable business cases

**Steve Griffiths**, SVP R&D, **Khalifa University of Science and Technology**

# World Hydrogen MENA 2023

Conference Day 2 • Thursday 2<sup>nd</sup> March 2023

**15:50 – 16:10**

*Afternoon Networking Break*

**16:10 – 17:15**

## **Interactive Discussion Groups**

The chance to focus on a specific discussion area in more depth. These interactive discussion groups, led by industry experts, allows attendees across the renewable energy and hydrogen value chains the chance to engage and connect with different stakeholders, discuss their challenges, and enable collaboration for the benefit of future market growth.

Participants will join one roundtable for 1 hour of open, interactive discussion.

**Table 1:** Securing Bankable Offtake Contracts

**Table 2:** Scaling-up Clean Hydrogen in the MENA region

**Table 3:** Hydrogen Pipelines: An Alternative to Shipping

**Table 4:** Global Trading & Storage of Hydrogen Carriers in MENA

**Table 5:** Exploring Local Hydrogen Offtake in MENA

**Table 6:** Sustainable Ports & Hydrogen Hubs

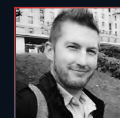
**17:15**

**End of Conference**

## **Interested in speaking opportunities?**

Wherever you fit in the hydrogen energy value chain, as a developer, producer, investor, or end user, we would be interested in hearing from you, especially if you have a stake in the MENA market.

There are a range of options for getting involved right across all 4 days, from panel discussions and case study presentations, to delivering an interactive Hydrogen Masterclass. Present your expertise, project innovation or regional case study to leaders in the hydrogen and clean energy industry.



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Programme Director

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# Sponsorship Opportunities



At World Hydrogen MENA, you will meet the entire hydrogen value chain, including project developers, offtakers, financiers, EPC contractors, consultants, government stakeholders, oil and gas majors, technology specialists and utility companies. For more information about our sponsor and exhibitor opportunities, please get in touch.

## Tailor your sponsorship package to meet your business objectives:

### Thought Leadership



Showcase your expertise, experience and capabilities through prominent speaking positions in the main conference agenda; join your industry peers for discussions around pressing issues and market developments.

### Lead Generation



Meet the right people, at the right level. As a sponsor, you'll stand out from the crowd and create an impact in front of your potential prospects and get the edge over your competitors.

### Branding



Our 'wall of noise' marketing approach positions you at the forefront of everything we do, ensuring you are recognised as an industry leader spearheading the future hydrogen markets in MENA.

### Networking



The best networking is done outside of the conference rooms. Create a lasting impact on your prospects with sponsorship of one of our infamous networking functions such as a Sunset Drinks Reception or Gala Dinner.

**Get in touch to discuss how your company can get involved at the World Hydrogen MENA**



**OLIVER SAWYER**

Sponsorship Director

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# Why Exhibit at World Hydrogen MENA



World Hydrogen MENA is the premium annual diary date for MENA's hydrogen industry. World Hydrogen MENA offers the perfect platform to network and collaborate with key players in the region, from investors, project developers, offtakers, government regulators and more.

## Raise Awareness with Onsite Branding



Allow yourself the ultimate platform and onsite presence with a coherent and consistent application of your brand across your stand and marketing materials.

## Meet Future Clients in Person



Don't get lost in the crowd – have clients come to you. Take advantage of a busy exhibition footfall that will bring lots of potential clients from across the hydrogen value chain straight to you, saving you a time and money on unqualified outreach activities.

## Showcase Latest Technologies and Innovations



Take advantage of our own exhibition space that allows you to capture your audience and launch yourselves into the market with visual demonstrations and interactive models of the latest technologies, whether it's for the production, storage, or distribution of hydrogen.

## Check out the Competition



See how your competitors are designing their stands and appealing to their customers, while getting instant feedback from experts in the industry on how to improve your messaging.

**For more information, please contact**



**OLIVER SAWYER**

Sponsorship Director

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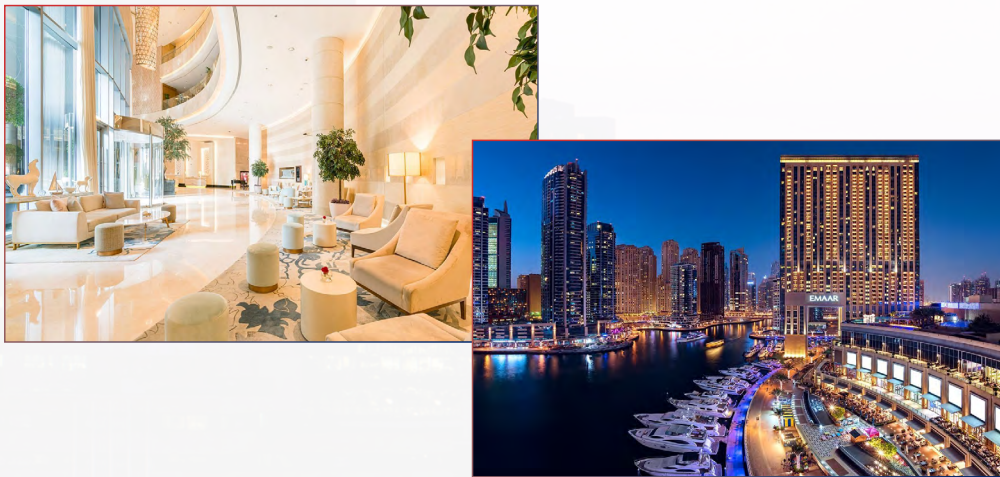
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A first class venue offering an entrepreneurial world of possibilities

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- **Join over 400 attendees from across the hydrogen value chain at this premium destination for international travelers, with a spectacular view of the marina and beyond.**
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# World Hydrogen Leaders



World Hydrogen Leaders brings together everything you need to de-risk critical decisions and enable sector coupling in the hydrogen industry. Join the hundreds of businesses rapidly scaling global decarbonisation.

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# Attend World Hydrogen MENA 2023



**World Hydrogen MENA offers unrivalled opportunities for growth and connections**



## **Learn from the best in a competitive market**

World Hydrogen MENA boasts a spectacular line-up of 40+ industry thought leaders covering the whole hydrogen value chain. You will hear from policy makers, regulators & ministers to C-Suite hydrogen executives from the MENA region and beyond.



## **Shape the future of MENA's hydrogen industry**

- International partnerships and collaboration
- Large-scale and cost-competitive projects
- Policy and commercial strategies
- Infrastructure, exports and trade



## **Network & create new contacts**

Create new connections, meet up with clients and catch up with your peers through our dedicated networking sessions, and stay connected via the event app.

## **Register Here!**

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Ticket Type	Today's Rate	Onsite Price
<b>3 day pass</b> 28 <sup>th</sup> February - 2 <sup>nd</sup> March. Including access to the pre day masterclass and main 2 conference days	<b>USD 2,645</b>	<b>USD 3,845</b>
<b>2 day pass</b> Exhibition Open 1 <sup>st</sup> - 2 <sup>nd</sup> March Main two conference days	<b>USD 2,299</b>	<b>USD 3,499</b>

**3for2 offers on delegate passes available.**  
For more information, contact Jonathan Hull

**BOOK NOW**

For information on our local rates and site visit pricing, please contact [jonathan.hull@worldhydrogenleaders.com](mailto:jonathan.hull@worldhydrogenleaders.com)

**To book your pass now, please contact**



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**If you're a DII member, please contact Daniel De Nooijer for your discounted place.**



# Solar & Hydrogen Site Visit Day

Monday 27th February 2023

Before our World Hydrogen MENA 2023 kicks off, we are excited to be hosting an exclusive visit to the Innovation Centre at Mohammed bin Rashid Al Maktoum Solar Park. The visit will include a tour of this fascinating centre, as well as a tour of the region's first green hydrogen facility, led by DEWA and Siemens Energy.

With limited availability, don't miss out on your chance to secure a ticket to this inspiring and informative tour, with transport to and from the conference venue and food & drink all included.

## What's Included?

- Explore the Solar Innovation Centre and Exhibition
- Discover the latest developments in sustainable energy in the United Arab Emirates
- View the impressive solar park
- Visit MENA's first Green Hydrogen Facility, the Siemens' and DEWA's green hydrogen pilot



## Agenda

11:00 – 12:00	Coach from Address Dubai Marina to Innovation Centre
12:00 - 13:00	Lunch in the Innovation Centre
13:00 - 14:30	Tour of the DEWA Research & Development Centre & Green Hydrogen Facility
14:30 - 16:00	Tour of Mohammed bin Rashid Al Maktoum Solar Innovation Centre & Exhibition
16:00 - 17:00	Coach back to the Address Dubai Marina

<b>4 Day Pass</b> (Site Visit + Masterclass Day + Main Conference Days)	<b>USD 3,240</b>
<b>3 Day Pass</b>	<b>USD 2,645</b>
<b>Site Visit Only</b>	<b>USD 599</b>

Get in touch to secure your place



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# World Hydrogen MENA 2023 is co-hosted by World Hydrogen Leaders, the MENA Hydrogen Alliance and Dii Desert Energy.



**MENA Hydrogen Alliance**  
An initiative of Dii Desert Energy

Building on the success of the 2022 forum, World Hydrogen Leaders, Dii Desert Energy and the MENA Hydrogen Alliance are proud to co-host the MENA region's premium hydrogen-focused event, as part of 'Hydrogen Week' in Dubai. We are delighted to once again be partnering with Dii Desert Energy for World Hydrogen MENA 2023, as the most respected authority on the energy transition in the region.

In early 2020, Dii launched the MENA Hydrogen Alliance, which brings together private and public sector actors as well as science and academia to kick-start green hydrogen economies. The Alliance provides a platform for members to meet and discuss pathways forward and formulates joint papers. The Alliance acts as an impartial advisor to promote pilot projects in the region, elaborates (potential) business cases and structures for large projects, proposes the necessary policy and regulatory frameworks, and educates different stakeholders on all relevant aspects of the hydrogen value chain, from 'source to sink', including export of virtual and physical green energy.

## Thank you to our Supporting Partners

World Hydrogen MENA are proud to partner with leading associations and media outlets working across the renewable and hydrogen energy sector.



BloombergNEF



**MENA Hydrogen Alliance**  
An initiative of Dii Desert Energy

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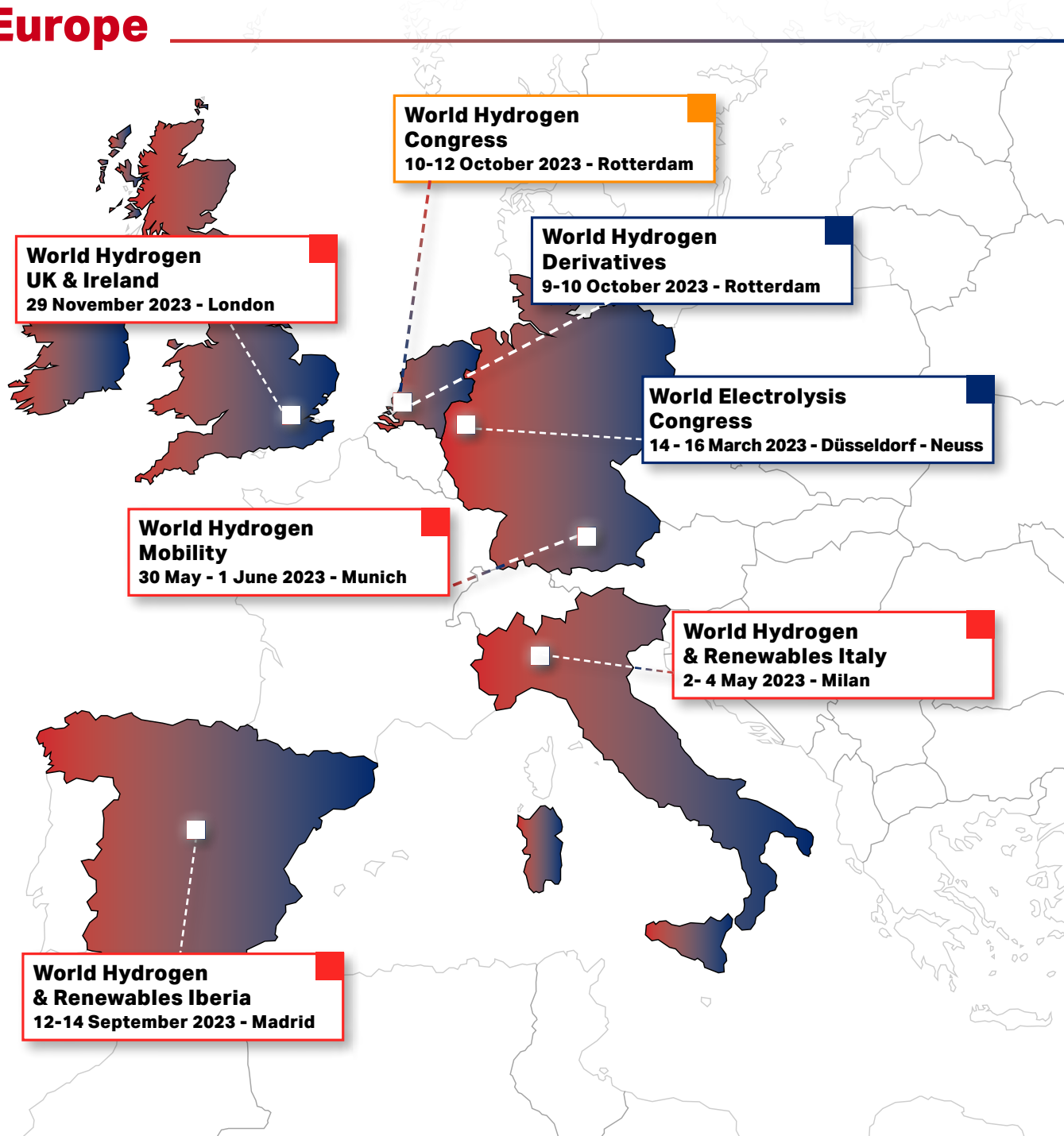


### Associated Partners:

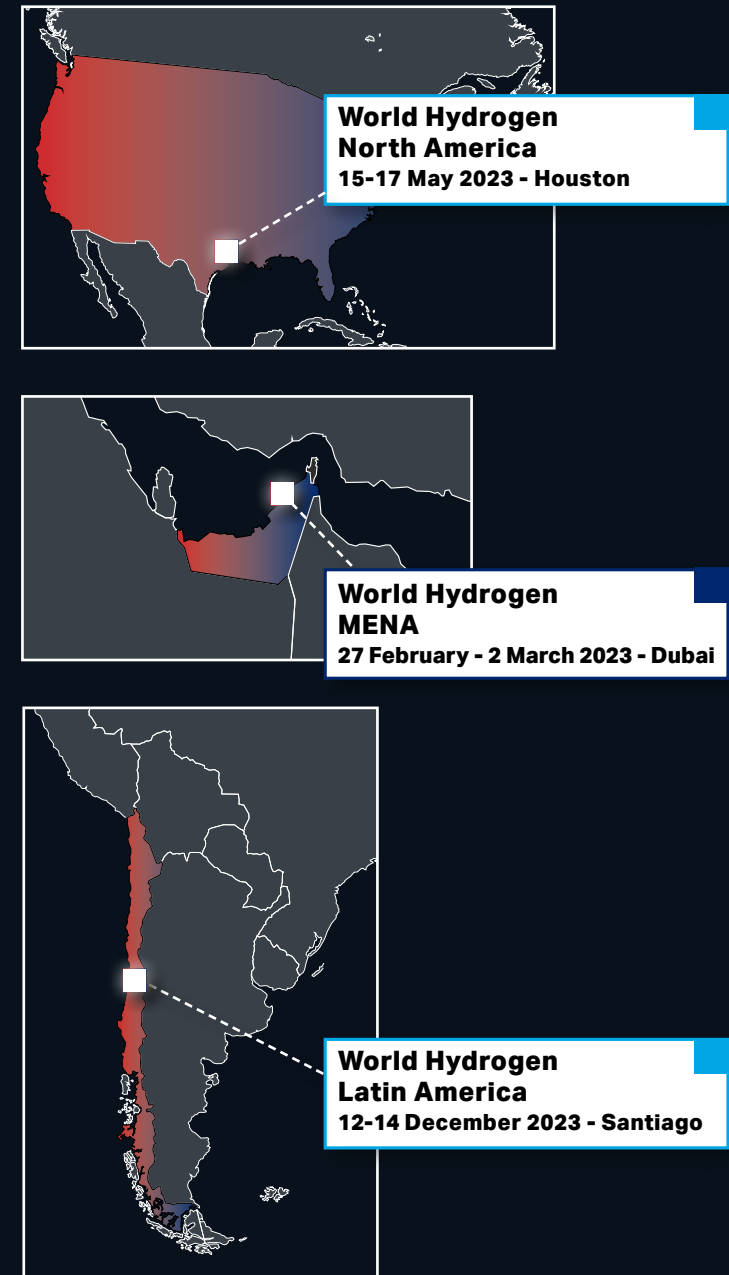


# World Hydrogen Leaders 2023 Events

## Europe



## Rest of the World



# Contact Us

## Sponsorship and Exhibitions Enquiries



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## Speaker and Programme Enquiries



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## Delegate Pass Enquiries



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# SUSTAINABLE AVIATION FUTURES MENA

## SUSTAINABLE AVIATION FUTURES MENA CONGRESS

A High-level Networking Event Establishing Pathways  
to Aviation Decarbonisation in the MENA Region

28 February 2023  
Address Dubai Marina, UAE  
[www.safcongressmena.com](http://www.safcongressmena.com)



**MENA Hydrogen Alliance**  
An initiative of Dii Desert Energy

28 FEBRUARY 2023

The Sustainable Aviation Landscape in MENA

Prospects for SAF in MENA: Production Landscape, Regulation and Policy

Green Airline Operations and Sustainable Airports

Networking Lunch and One to One Meetings

SAF Feedstock Availability and Supply and Production Capabilities

Hydrogen and the Development of Power-to-Liquid Production