



**GREEN HYDROGEN  
SUMMIT**

**BUILDING THE  
HYDROGEN ECONOMY  
FROM DIALOGUE TO  
REALITY**

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**Tuesday, April 16, 2024**

**Conference Hall A,  
ADNEC, Abu Dhabi**

Hosted by

**MASDAR** 

# Green Hydrogen Summit 2024

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Governments and industries alike are recognizing that green hydrogen can and should play a central role in meeting crucial climate and emission reduction targets. The burgeoning industry is reflecting this with solid momentum on all fronts: new Hydrogen technologies are rapidly being developed, ambitious national strategies and numerous new projects across the value chain are being announced, and partnerships are forming to translate these drivers into real developments.

At this critical moment, the **Green Hydrogen Summit** will once again convene policymakers, leading industry players, investors, and civil society leaders from the region and around the globe. A series of impactful dialogues will address hydrogen's critical role in decarbonizing the energy system and what is needed to unlock green hydrogen at scale to support the just energy transition on the journey to net-zero emissions by 2050.

## Key Themes

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### End Use, Demand and Scale

As major economies look to decarbonize their end-use sectors, we will dive into industries representing the largest demand segments for green hydrogen, from refining to the production of chemicals, iron and steel, and hydrogen-based fuels. Sessions will analyze pathways for growth and on-the-ground progress of green hydrogen technology deployment, including the emergence of new sources of hydrogen demand. How can green hydrogen demand be enabled, leading to cost competitiveness and the formation of a truly global market?



### Country and Regional Spotlight

From the US, EU, the Middle East and across Asia, we will take an in-depth look at markets and regions leading the emerging green hydrogen market. How are governments advancing their hydrogen economies and enabling progress from an investment and policy framework perspective? We will also explore notable regional projects, how they are paving the way for others, innovative models to develop infrastructure and most importantly, what's next for these markets.



### The Green Hydrogen Trade

To fully realize green hydrogen's potential, the economic gap between fossil fuels and green hydrogen must be closed. How can we scale up and facilitate global trade of green hydrogen? How must infrastructure be developed to match supply and demand and connect importers and exporters? We will also delve into the trade mechanisms, policies and support programs that foster the development of green hydrogen supply chains, including pilot projects for large-scale intercontinental trade.

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## 10:30 – 10:50 | Outlook: Around the World in a Green Hydrogen-Powered Airplane

In this inspirational keynote address, Dr. Piccard will take us through his journey as an explorer, and how he's bringing together the worlds of ecology, technology and the economy to solve the most pressing challenge of our time: climate change.

Speaker:



**Dr. Bertrand Piccard**  
Chairman, Climate Impulse

## 10:50 – 11:00 | Guest Keynote Address

Speaker:



**Rt Hon Boris Johnson**  
Former UK Prime Minister

## 11:00 – 11:30 | High-Level Panel: National Strategies and Policies to Accelerate Green Hydrogen Economies

Governments around the globe are redesigning their national energy agendas to advance their energy transitions. How are they preparing for the impact of hydrogen and the opportunities it presents? Which measures are successfully removing market barriers, unlocking investment, and building supply and demand at a national and international level? How is hydrogen reshaping their national energy production systems and, in turn, helping define their country's role in the global energy market?

Moderator:



**Eithne Treanor**  
Managing Director,  
E Treanor Media

Speakers:



**H.E. Parviz Shahbazov**  
Minister of Energy,  
Azerbaijan



**Frederik Wesselink**  
Energy Special Envoy,  
Ministry of Economic  
Affairs and Climate Policy,  
Netherlands



**H.E. Yoshida Nobuhiro**  
Parliamentary Vice-Minister  
of Economy, Trade and  
Industry, Japan

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## 11:30 - 12:00 | Charting Abu Dhabi's Low Carbon Path

High-level stakeholders in the Emirate will discuss the impact of Abu Dhabi's Low-Carbon Hydrogen Policy on different sectors, federal and emirate-level approaches to carbon reduction, the role of technology and innovation in achieving low-carbon goals, and collaboration opportunities between the government, private sector, and communities.

### Moderator:



**Eithne Treanor**  
Managing Director,  
E Treanor Media

### Keynote:



**H.E. Ahmed Mohammed Al Rumaithi**  
Undersecretary, Abu Dhabi Department of Energy

### Speakers:



**Mohammad Abdelqader El-Ramahi**  
Chief Green Hydrogen Officer, Masdar



**Aaron Paul Howell**  
Energy Advisor, Abu Dhabi Department of Finance



**Carlos Gascó Travesedo**  
Energy Policy Executive Director, Abu Dhabi Department of Energy

## 12:00 - 12:30 | Europe's Hydrogen Wave: Powering the Continental Energy Shift

The EU has emerged as a pioneer in developing a comprehensive regulatory framework for a hydrogen economy. How is the region building the necessary infrastructure to import hydrogen and transport it to demand centers? And how must EU address the IRA-related developments and increase momentum?

### Moderator:



**Jorgo Chatzimarkakis**  
CEO, Hydrogen Europe  
(Moderator)

### Speakers:



**Allan Baker**  
MD - Global Head of Energy Transition, Societe Generale



**Joaquin Rodriguez Jadraque**  
Director of Hydrogen and Clean Energies, Cepsa



**Thierry Lepercq**  
Founder & President, HyDeal



**Thorsten Herdan**  
CEO EMEA, HIF



**Jesus Saldaña**  
General Manager, Enagas



**Costas Papamantellos**  
Head of International Hydrogen Investments, RWE

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12:30 - 13:00 | Networking Break

## 13:00 - 13:45 | Soaring and Sailing on GH2: The Future of Transport Fuel

Against the backdrop of increasing transport demand, hydrogen and hydrogen-derived fuels will play a critical role in the aviation and shipping sectors, two of the most challenging sectors to decarbonize. How could development be accelerated and how can hydrogen be adopted across short, medium and long-term applications?

**Moderator:**



**Danny Touma**  
Partner, PWC

**Speakers:**



**Ryan Faucett**  
VP Environmental Sustainability, Boeing



**Chris Johnson**  
Chief Commercial Officer, C2x



**Sergey Kiselev**  
Chief Business Officer, ZeroAvia



**Jens Berge**  
CEO, Norwegian Hydrogen



**Alexandre Eykerman**  
Energy Business Director, Wartsila

## 13:45 - 14:20 | Towards a Greener Horizon: Insights from the UAE's Industry Leaders

This panel session brings together visionary leaders from some of the UAE's most influential organizations to share their visionary insights, strategies, and collaborative efforts in fostering sustainable practices within their sectors, including how hydrogen and clean energy can be harnessed to drive environmental sustainability and economic growth in the UAE and beyond.

**Moderator:**



**Eithne Treanor**  
Managing Director, E Treanor Media

**Keynote:**



**H.E. Abdulla Balalaa**  
Assistant Minister of Foreign Affairs for Energy and Sustainability Affairs and Chairman of Masdar City

**Speakers:**



**Khaled Al Huraimel**  
Group CEO & Vice Chairman, Beeah



**Dr. Hesham Ismail**  
Senior Researcher, DEWA



**Tarek Hosny**  
Head of Investments and Projects, Fertiglobe

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## 14:20 - 14:55 | Financing the Transition: Making Projects Bankable

While there is no shortage of green hydrogen projects, the challenge lies in mobilizing large-scale financing and structuring project finance. What does it take to make green-hydrogen energy bankable and how can finance be mobilized and investments de-risked to ensure clean hydrogen projects get to FID?

### Moderator:



**Alicia Eastman**  
Host of Everything About  
Hydrogen and Board Member,  
InterContinental Energy

### Speakers:



**Lina Osman**  
Managing Director & Head  
- Sustainable Finance,  
Standard Chartered Bank



**Cornelius Matthes**  
CEO, Dii Desert Energy



**Benoit Felix**  
Global Head of Structured  
Finance, Grupo Santander



**Dr. Michael Whiteley**  
Global Head Clean Hydrogen,  
HSBC



**Tarik Hamane**  
Acting CEO, Moroccan Agency  
for Sustainable Energy

## 14:55 - 15:30 | LH2: Strategies for Affordability, Infrastructure and Scale

In the drive for decarbonization, liquid hydrogen plays a crucial role in the sustainable energy shift across transportation, industry, and more. What does the roadmap look like for increasing LH2 production capacity to meet future energy demands?

### Moderator:



**Frank Wouters**  
Chair MENA  
Hydrogen Alliance

### Speakers:



**Yoshinori Kanehana**  
Chairman, Kawasaki  
Heavy Industries



**Laurent Wolfsheim**  
SVP Strategy Growth &  
People for Gas Renewables  
and Power, TotalEnergies



**Nicolas Poirot**  
CEO Africa Middle-East &  
India, Air Liquide



**James Grabert**  
Director - Mitigation, UNFCCC

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## 15:30 - 16:05 | Roots of Change: The Green Ammonia Breakthrough

As the demand for sustainable solutions in agriculture and energy sectors grows, green ammonia stands out for its potential to revolutionize these industries. How must existing infrastructure be re-developed and how are key players pushing the envelope of what's possible in sustainable agriculture?

### Moderator:



**Matthieu Crest**  
Partner - Energy and Utilities, CVA

### Speakers:



**Petter Ostbo**  
CEO, Atlas Agro



**Andres Isaza**  
Chief Commercial Officer,  
Smartenergy



**Roeland Baan**  
CEO, Topsoe



**Santiago Banales**  
MD - Middle East, Iberdrola



**Claire Nicolas**  
Senior Energy Economist,  
World Bank

## 16:05 - 16:40 | US in Focus: The Clean Energy Market Makeover

The Inflation Reduction Act (IRA) stands to be one of the most transformative pieces of legislation in clean energy, spurring international investor interest and positioning the US to be one of the lowest green hydrogen production cost regions in the world. Which sectors are benefiting the most and what are the short- and long-term impacts?

### Moderator:



**Alicia Eastman**  
Host of Everything About  
Hydrogen and Board Member,  
InterContinental Energy

### Speakers:



**Renato Pereira**  
CEO, HIF USA



**Kevin Ferran**  
Infrastructure Finance  
Director, Citi



**Daria Nochevnik**  
Director for Policy and  
Partnerships, Hydrogen  
Council



**Allan Baker**  
MD - Global Head of Energy  
Transition, Societe Generale



**Ramy Lotfy**  
Chief Commercial Officer,  
CWP Global

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## 16:40 - 17:15 | Steel Goes Green: Fast-Tracking to Net Zero

The steel industry is on a path to cancel out its emissions by 2050, with the first “green steel” plants due to come online in 2025. Which production technology mix will achieve this goal and ensure economic viability?

### Moderator:



**Igor Hulak**  
Senior Partner & Global Lead Partner  
for Metals & Mining, Kearney

### Speakers:



**Jonas Moberg**  
CEO, The Green Hydrogen  
Organization



**Karim Badawi**  
Director New Energy, SLB



**Dr. Michael Strugl**  
CEO, Verbund



**Kim Pedersen**  
Director, A.P. Moller Capital



**Michael Rion**  
Chief Commercial Officer,  
Emirates Steel Arkan



**Amr El Zanfally**  
Head of Hydrogen North  
Africa, bp

## 17:15 - 17:50

## Asia's Energy Equilibrium and Hydrogen's Role in the Region's Energy Equation

Nowhere in the world is the demand for energy increasing as rapidly as it is in Asia. How is this demand changing the global hydrogen economy, and how can producers and developers capitalize on the import and export opportunities offered by Asian markets?

### Moderator:



**Will Symons**  
Climate & Sustainability Leader –  
Asia Pacific, Deloitte

### Speakers:



**Tsuyoshi Nakai**  
CEO, Japan Cooperation  
Center for Petroleum &  
Sustainable Energy



**Gagan Porwal**  
Chief Commercial & Strategy  
Leader, GE Vernova



**Aida Sitdikova**  
Director Energy Eurasia, Middle  
East and Africa, Sustainable  
Infrastructure Group, EBRD



**Hadeed Beg**  
Business Development  
Manager – Hydrogen, ADNOC



**Daria Nochevnik**  
Director for Policy and  
Partnerships, Hydrogen  
Council



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**17:50 - 18:00 | ADSW Net Zero Navigator**

ADSW is launching the Net Zero Navigator, a unique AI-driven digital tool designed for stakeholder interaction. It serves as a hub for global knowledge and collaboration in pursuit of net zero emissions technologies and sustainability.

**Speaker:**



**Dr. Thomas Philbeck**  
Managing Director, SWIFT  
Partners

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Associate Partner



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