



**GREEN HYDROGEN
SUMMIT**

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

Tuesday, April 16, 2024

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

Hosted by

MASDAR 

Green Hydrogen Summit 2024

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



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

Speakers:



Mohammad Abdelqader El-Ramahi
Chief Green Hydrogen
Officer, Masdar



Aaron Paul Howel
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 Ahmed Balalaa
Chairman, 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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