

UNDER THE PATRONAGE OF



وزارة الطاقة والمعادن
Ministry of Energy and Minerals

GREEN HYDROGEN SUMMIT OMAN

DEC 5-7, 2022
MUSCAT, SULTANATE OF OMAN

TECHNICAL AGENDA

SUPPORTED BY



HOST



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Conference Day 1 (Dec 6, 2022)

08:30 - 09:15

Registration and Networking

09:15 - 09:20

Introduction



Nima Abu Wardeh
Former BBC anchor

09:20 - 09:30

Welcome



Eng. Mazin Al Lamki
Chief Executive Officer,
Energy Development Oman SAOC &
Chairman of the Summit



09:30 - 10:10

Opening Keynote Speech



H.E. Eng. Salim Al Afi
Minister of Energy and Minerals,
Sultanate of Oman



09:30 - 09:55



HAYASHI Nobumitsu
Governor,
Japan Bank for International
Cooperation (JBIC)



09:55 - 10:10



Abdulrahman Al-Hatmi
Group CEO,
ASYAD



10:10 - 10:15

10:15 - 13:45

Technical Sessions attendees/delegates are eligible and encouraged to be present during the Strategic Sessions with Executive Speakers.

13:45 - 14:45

Lunch Break & Networking

TECHNICAL SESSIONS

14:45 - 15:45

Session 1: Green Hydrogen Production

Speakers:



Erika Niino-Esser

Business Developer and Technical Specialist for Hydrogen and Green Chemicals, thyssenkrupp nucera



TOPIC: We shape the new era - green hydrogen production through large-scale water electrolysis



Devon Hyer

Director Sales and Market Development EMEA1, Plug Power



Plug Power

TOPIC: The pace of Gigawatt scaling : Global forecast for green hydrogen production



Jonathan Carpenter

Vice President, New Energy Services, Petrofac



TOPIC: Global Green Hydrogen Review & Experiences : Considerations for Deploying Green Hydrogen Production and Potential Export Routes



Jérémie Esquier

Power-to-X Market Director, Technip Energies



TOPIC: Optimizing LCOH with Energy Architecture Design and Intermittency Management System

15:45 - 16:00

Coffee Break & Networking

16:00 - 17:00

Session 2: Green Hydrogen Technologies: Research and Development

Speakers:



Dr. Juergen Meinhardt

Head of Department Analytical Services , Fraunhofer (ISC)



Dr. Martin Peters

Head of Department Materials Chemistry, Fraunhofer (ISC)



TOPIC: Technology developments for the improvement of production, storage and transport of green hydrogen and its derivatives



Giovanni Sarti

Strategic DTI Manager for Hydrogen fueled Gas Turbines and Systems, Baker Hughes



TOPIC: The Role of Turbomachinery in enabling the Hydrogen Economy



Dr. Ahmed Al Hatrooshi
Project Manager, Sur Hydrogen Cluster
Pre-feasibility Study,
HY-FLY(National Hydrogen Alliance)



TOPIC: Sur Hydrogen Cluster Pre-feasibility Study



Prof. Michael Modigell
Consultant / Advisor

TOPIC: Three step biosolar process for the production of Hydrogen

Conference Day 2 (Dec 7, 2022)

08:30 - 09:00

Registration and Networking

TECHNICAL SESSIONS

09:00 - 09:10

Recap of first day



Intisar Al-Busaidi
Ph.D. in Petroleum Engineering
Sultan Qaboos University



09:10 - 10:15

Session 3: Green Hydrogen Deployment

Speakers:



Khalid Oumejjoud
Managing Director,
PSM Thomassen Gulf



TOPIC: Decarbonization of Industrial gas turbines
by conversion for operation with Hydrogen



Martin Weng
Managing Director,
Aixprocess GmbH



TOPIC: Decarbonisation of Cement Production by
Utilization of Green Hydrogen



Mariya Al Toubi
Researcher,
Sultan Qaboos University



TOPIC: Hydrogen Clusters development in Oman: Techno-Economics and business cases.



Farkas Patrik
Market Development Manager,
Wartsila



TOPIC: Unstuck - an unconventional transition in a conventional industry



Matteo Trascinelli
Vice President – Global Business
Development Manager,
ABB Energy Industries



TOPIC: The Great GW Scale-up: Driving down costs and increasing value of low carbon hydrogen projects and operations

10:15 - 11:30

Session 4: Transportation and Storage

Speakers:



Dr. Peter Gless
Senior Business
Development Manager,
Hydrogenious LOHC
Technologies GmbH



TOPIC: LOHC – An ideal solution for hydrogen export from Oman



Philippe Lavagna
Product Account Manager for
New Energies Terminals
SBM Offshore Group,



TOPIC: Technology for green hydrogen cargo transfer in open sea



Mr. René Sejer Laursen
Director – Fuels & Technology,
Eagle ABS



TOPIC: Can Pre-combustion Carbon Capture Technologies Solve the Hydrogen Storage Issue for Deep Sea Shipping?



Nasser Al Rizeiqi
Director of Hydrogen Policies &
Strategies Department
Ministry of Energy and Minerals,
Sultanate of Oman



TOPIC: Hydrogen underground storage



Dr. Saif Al Ghafri
University of Western Australia;
Future Energy Exports Cooperative
Research Centre



TOPIC: Hydrogen Liquefaction: An overview of the Fundamental Physics, Engineering Practice, Economic Viability, and Future Opportunities

11:30 - 11:45

Coffee Break & Networking

11:45 - 13:00

Session 5: Certification and Regulation

Speakers:



Jochen Bard
Director of Energy Process
Technology Division
Fraunhofer (IEE)



TOPIC: System and Market analysis of the production pathways for green hydrogen and other PtX products – towards the implementation of certification schemes in Oman and the MENA region



Yasser Taqi
Partner,
Dentons



TOPIC: Green Hydrogen in Oman – The need for a regulatory road-map



Nahla Abid
Vice President, Sales & Strategy,
Middle East and Caspian Sea Region,
Bureau Veritas



TOPIC: The Need of Certification and Regulations for Hydrogen Market



Dr.-Ing. Thomas Weiß
Vice President Hydrogen
PtX - Storage
TÜV SÜD



TOPIC: The importance of certification



Maxime Saliez
Policy Advisor,
Federal Ministry of Energy,
Belgium



13:00 - 14:00

Lunch Break & Networking

14:00 - 15:00

Session 6: Green Hydrogen Technology: Production

Speakers:



Jean Carlos Leicht

Head of Business Development & Application Engineering - Asia Pacific, Middle East, Africa, Hitachi Energy



TOPIC: Scaling up the Electrolysis plants: transformer design and manufacturing



Bo Hartvigsen

Sr. Business Development Director, Power-to-X, Topsoe



TOPIC: Efficient conversion of H2O and CO2 using SOEC



Rafael Fejervary

New Energy Portfolio Project Manager, SLB



Kazuya Miyazaki

Director, Yamanashi-Hydrogen Company, Inc.



15:00 - 17:15

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17:15 - 17:45

Prayer Break / Coffee Break & Networking

17:45 - 19:15

Technical Sessions attendees/delegates are eligible and encouraged to be present during the Strategic Sessions with Executive Speakers.

19:15 - 19:45

Closing Ceremony



Abdullah Al Harthy

Executive Chairman & Founder, Birba Energy Services (Organizer)



Eng. Mazin Al Lamki

Chief Executive Officer, Energy Development Oman SAOC & Chairman of the Summit



H.E Eng. Salim Al Aufi

Minister of Energy and Minerals, Sultanate of Oman



19:45 - 20:00

Student Award



Hamed Al-Naumani

Chief Executive Officer, Oman LNG



Intisar Al-Busaidi

Ph.D. in Petroleum Engineering Sultan Qaboos University



20:00 - 21:00

Gala Dinner and Networking

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