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Host



Agenda

The future of energy

Green Hydrogen - From Vision to Action

Dec 12-14, 2023

Oman Convention & Exhibition Centre
Muscat, Sultanate of Oman



Subject to updates - 6 Dec



AGENDA



Tech₂ TALKS

Wednesday December 13



8:00 – 10:00 | **Registration & Networking**



Presentation	<p>10:00 – 10:20 CONFIRMED</p>	<p>Ammonia Export as Safety starts at Concept Phase</p>		<p>Philippe Lavagna Product Account Manager Imodco, part of SBM Offshore Group</p>	
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Presentation	<p>10:20 – 10:40 CONFIRMED</p>	<p>Fostering hydrogen-powered heavy mobility in Oman – Bridging TCO Parity with Diesel Through Insights and Levers</p>		<p>Munthir Al Araimi Development Mechanical Engineer Petroleum Development Oman</p>	
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Presentation	<p>10:40 – 11:00 CONFIRMED</p>	<p>BMW ix5 Hydrogen: THE EV with fast refueling.</p>		<p>Dr. Jürgen Guldner General Manager BMW Group</p>	
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11:00 – 11:40 | **Coffee Break & Networking**

Presentation	<p>11:40 – 12:00 CONFIRMED</p>	<p>Scaling E-Methanol Production: A Key to Decarbonizing “Hard to Abate” Industries</p>		<p>Agnel Cheruvathoor Business Development, Head of India & Middle East Siemens Energy</p>	
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Presentation	<p>12:00 – 12:20 CONFIRMED</p>	<p>PEM Electrolyser and PEM Fuel Cell Duo – Enablers of Uninterrupted Green Power</p>		<p>Rajesh Malhotra General Manager Plug Power</p>	
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Presentation	<p>12:20 – 12:40 CONFIRMED</p>	<p>Automation technology supporting green hydrogen production</p>		<p>Steffen Zandler Global Business Development Manager Rockwell Automation</p>	
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AGENDA

Tech₂ TALKS







Wednesday December 13

Presentation	12:40 - 1:00 CONFIRMED	Hydrogen Bar System Patent		Arnes Biogradlija Project Director Hydrogen Bar System	
1:00 - 2:00 Lunch Break & Networking					
Presentation	2:00 - 2:20 CONFIRMED	Development of high temperature solid oxide electrolyzer for a cost-efficient clean hydrogen production		Dr. Azzan Al Yaarubi New Energy Technical Director, KSA & OPG SLB	
Presentation	2:20 - 2:40 CONFIRMED	Power Quality Solution for Green Hydrogen Production		Helton Bezerra Global Account Manager Electrolysis/ Hydrogen Maschinenfabrik Reinhausen GmbH	
Presentation	2:40 - 3:00 CONFIRMED	Industrial Hydrogen hubs- Lessons learned from MW to GW projects development		Ahmed Al Hatrooshi Technical Director- Energy transition Mott Macdonald	
Presentation	3:00 - 3:20 CONFIRMED	Unlocking Economic and Environmental Value: Sustainable Hydrogen Production from waste for a Green Economy		Khadija Al Balushi Research And Teaching Assistant German University of Technology in Oman	
Presentation	3:20 - 3:40 CONFIRMED	Green Hydrogen innovation and start-ups		Khalid Oumejjoud Managing Director PSM Thomassen Gulf	
Presentation	3:40 - 4:00 CONFIRMED	Development and subsequent accreditation of the H2 extraction methodology at high pressure		Dr. Karel Borovec Head of the Research Group Technologies for the Environment Energy Research Centre - CEET VSB-TUO	

AGENDA

Tech₂ TALKS

Wednesday December 13

Presentation	4:00 - 4:20 CONFIRMED	Green Hydrogen Storage and safety innovations		Bora Aydin Business Development Manager Walter Tosto	
Presentation	4:20 - 4:40 CONFIRMED	H2-readiness of materials, components and systems		Ksenia Eliseeva Hydrogen Project Manager TUV Sud Italia	
Presentation	4:40 - 5:00 CONFIRMED	Hydrogen Production Through Methane Pyrolysis Using Bubbling Fluidized Bed Reactor Method		Yousuf Al Siyabi Research Assistant Oman Hydrogen Center	
	5:00	Closing			

AGENDA

Tech₂ TALKS

Thursday December 14

8:00 – 9:00

Registration & Networking

Presentation

9:00 – 9:20

CONFIRMED

Optimizing Compressor Packages for Different Hydrogen Applications



Mayank Dave
Head of New Technologies
Commercialization
Siemens Energy



Presentation

9:20 – 9:40

CONFIRMED

BMW ix5 Hydrogen: THE EV with fast refueling.



Dr. Jürgen Guldner
General Manager
BMW Group



Presentation

9:40 – 10:00

CONFIRMED

Large-scale green hydrogen production: Oman's unique environmental factors



Michael Czarnecki
Concept Study Lead
Kent



Presentation

10:00 – 10:20

CONFIRMED

TBC



flemming christensen



Presentation

10:20 – 10:40

CONFIRMED

Process Safety Model for Hydrogen Energy



Syed Babu
Technical Principal for
Process Safety Engineering
Mott MacDonald



Presentation

10:40 – 11:00

CONFIRMED

Exploring the long-term outlook for hydrogen and ammonia



Claude Mourey
Head of Hydrogen & Low carbon fuels – EMEA
Wood Mackenzie Consulting



11:00 – 11:40

Coffee Break & Networking

Presentation

11:40 – 12:00

CONFIRMED

Integrated Approach for H₂ Compression



Carlo Terragni
Managing Director
Neuman & Esser Italia s.r.l.

















*GHSO23 Programming is subject to change.

AGENDA

Tech₂ TALKS









Thursday December 14

Presentation	12:00 - 12:20 CONFIRMED	Feasibility of Green Hydrogen Production in Oman		Mariya Al Subhi Muscat University	
Presentation	12:20 - 12:40 CONFIRMED	Life Cycle Sustainability Assessment (LCSA) for Green Hydrogen Projects		Dr. Malik Sajawal Akhtar Global LCA Lead Glassdome	
Presentation	12:40 - 1:00 CONFIRMED	Cables for Hydrogen Ecosystem and its Green Labelling		Vittal Sawant R&D and Innovation Director Oman Cables & MEART Region, Prysmian	
1:00 - 2:00 Lunch Break & Networking					
Presentation	2:00 - 2:20 CONFIRMED	Advancing Safety Innovations in Green Hydrogen Technology		Shaji John Sr. VP - Sales & Global Head EPC & Project Development Ohmium	
Presentation	2:20 - 2:40 CONFIRMED	Innovation driving the hybridization of graphene: Fullertube for electrocatalysts		Pinkamol Reangdet Chief Technology Officer (CTO) Graphene Globe	
Presentation	2:40 - 3:00 CONFIRMED	The Bui hydroelectric project		Joseph Nkrumah Assistant Manager Bui Power	
Presentation	3:00 - 3:20 CONFIRMED	Enhancement of Hydrogen PEM Fuel Cell Reliability and Efficiency Using the Deep Learning algorithm-based Predictive Maintenance		Mazin Al Habsi Process & Maintenance Engineer Nafun Electronics Company	

AGENDA

Tech₂ TALKS

Thursday December 14

Presentation	3:20 - 3:40 CONFIRMED	Catalyzing Sustainability: ZnO Nanorods in Photocatalysis of Produced Water for Green Hydrogen Synthesis.		Dr. Hadi Basma Senior Guest Researcher Oman Hydrogen Center	
Presentation	3:40 - 4:00 CONFIRMED	Hydrogen Production at scale: Alkaline Water Electrolysis (AWE)		Erika Niino-Esser Business Developer and Technical Specialist for Hydrogen and Green Chemicals thyssenkrupp nucera	
Presentation	4:00 - 4:20	Hydrogen Mobility Use Cases		Nabil Nachi Head of MEA New Business Hyundai Motor Company	
Presentation	4:20 - 4:40	TBC		Ravi L. Bhamidipati Vice President - Global Oil & Gas Vicaltic	
	4:40	Closing			