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12-13 SEPTEMBER 2024

BRISBANE, AUSTRALIA

Uniting Government & Industry to Accelerate Hydrogen Development

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Part of the SEC World Hydrogen Series
The Largest and Most Senior Hydrogen Summits



Confirmed H2 Tech Series Speakers Include:

1. **Justin O'Connor**, International and Investment Lead, Hydrogen Strategy, **NSW Department of Climate Change, Energy, the Environment and Water**
2. **Dana Hildebrandt**, Director – Hydrogen Hubs and Initiatives, **Hydrogen and Future Fuels, Department of Energy and Climate, Queensland Government**
3. **Alyssa Cameron**, Executive Director, Industry and Infrastructure Development, **Office of the Coordinator-General, Department of State Development and Infrastructure, Queensland Government.**
4. **Louise Dunne**, Director, Hydrogen Coordination, Regional Economic Development, **Department of Regional Development, Manufacturing and Water, Queensland Government**
5. **Mr. Osamu Takahashi**, General Manager – Hydrogen, **ENEOS Australia Pty Ltd**
6. **Leno Cavarra**, Hydrogen Market Lead, **Veolia Water Technologies**
7. **Dr Paul Compston**, CEO and Director, **New Frontier Technologies Pty Ltd** a partner in the **Digital Composites Factory**
8. **Michael Schulz**, Regional Head Bid Management for Single Shaft Compressors, **Siemens Energy**
9. **Alice Li**, General Manager, **Hubei Green Power Co.**
10. **Seong Oh**, Director, Hydrogen Sales – Asia Pacific, **Chart Industries**
11. **Luke Zhu**, Business Development VP, **Tianjin Mainland Hydrogen Equipment Co. Ltd.**
12. **Puneet Gupta**, Hydrogen and Decarbonisation Solutions Lead, **Siemens Energy**
13. **Chandan Das**, BDM – International (New Energy), **MSA**
14. **Christopher Boyle**, Executive Chairman and Co-Founder, **FABRUM.**
15. **Mitchell Shi**, Assistant to CEO, **Siltrax Pty Ltd**
16. **Paul Jones**, Technical Consultant & Business Development Manager – P2G, **SMA Altenso**
17. **Martin Van Der Merwe**, Director for Sustainability and Decarbonisation – Asia Pacific, **Emerson**
18. **Andrea Valentini**, VP, Business Development, **Argus**
19. **Kim Gebers**, Acting Chief Executive Officer, **Gladstone Ports Corporation**
20. **Brian Inglis**, Manager Hydrogen & Ammonia Sector Council, **The Competency Alliance**
21. **Mr. Dalin Hu**, Vice General Manager, **Shanghai H-ray S&T Co. Ltd**
22. **David Cork**, Technical Director, **Alios**
23. **Xinzhu Ryan Liu**, Hydrogen Lead Asia Pacific & Head of Innovation Greater China, **Evonik**
24. **Brock Rutch**, Hydrogen Business Consultant , **EBARA Corporation**

25. **Dr. Krystian Wójcik**, Head Specialist of the Economic Geology Department, **Polish Geological Institute – National Research Institute**
26. **Junichi Masuda**, Deputy General Manager, Global Hydrogen Business Development, **Toray Industries, Inc.**
27. **Carlos Marin**, Green Hydrogen Global Solution Architect, **Schneider Electric**
28. **Ihab Chaaban**, Aeroderivatives Global Commercial Development Director, Data Centers Grid Firming, Hydrogen & Hybrids, **GE Vernova**
29. **Scott Nargar**, Senior Manager Future Mobility & Government Relations, **Hyundai**
30. **Roy Calder**, Industry Principle – New Energies, **AVEVA**
31. **Vinod Gopalan**, Project Manager, **Sparc Hydrogen**
32. **Jamie Roodenrys**, General Manager Strategic Partnerships, **Wildfire Energy**
33. **David Bentley**, CEO, **Ardent Underground**
34. **Sona Jain**, Commercial Lead, **HydGene Renewables**
35. **Dr Natalie Curach**, Director, Founder, **HydGene Renewables**
36. **Tim Latimer**, Head of Growth and Business Development, **Endua**
37. **Professor Jonathan Love**, Stanwell Professorial Chair in Hydrogen, **CQUniversity**
38. **Meg J. C. Lin, Ph.D**, Deputy Director, **Taiwan Institute of Economic Research**, CEO, **Taiwan Hydrogen and Fuel Cell Partnership**
39. **Aniruddha (Ani) Kulkarni**, CEO, **Cavendish Renewable Technology Pty Ltd.**
40. **Tianlong (Ray) Ni**, Senior Representative, **Akula**

H2 TECH SERIES DAY ONE

THURSDAY 12 SEPTEMBER

Government Initiatives

10:15 MoU signing ceremony between Australian Hydrogen Council (AHC) and Taiwan Hydrogen and Fuel Cell Partnership (THFCP)
Meg J. C. Lin, Ph.D, Deputy Director, Taiwan Institute of Economic Research, CEO, Taiwan Hydrogen and Fuel Cell Partnership

10:30 Panel discussion: Accelerating hydrogen development in Queensland:

- Abbot Point Activation Initiative
- Gladstone

Moderator: Dana Hildebrandt, Director – Hydrogen Hubs and Initiatives, Hydrogen and Future Fuels, Department of Energy and Climate, Queensland Government

Panellists:

Alyssa Cameron, Executive Director, Industry and Infrastructure Development, Office of the Coordinator-General, Department of State Development and Infrastructure, Queensland Government.

Louise Dunne, Director, Hydrogen Coordination, Regional Economic Development, Department of Regional Development, Manufacturing and Water, Queensland Government

10:45 Hydrogen in NSW: Transforming Innovations into Operations
Justin O'Connor, International and Investment Lead, Hydrogen Strategy, NSW Department of Climate Change, Energy, the Environment and Water

Scaling up Hydrogen Production

11:00 Next Generation Green Hydrogen
Vinod Gopalan, Project Manager, Sparc Hydrogen

11:15 Hyundai Waste to Hydrogen Production and Commercial Vehicle Deployments Overview
Scott Nargar, Senior Manager Future Mobility & Government Relations, Hyundai

11:30 ENEOS Hydrogen Technology Development in Australia
Mr. Osamu Takahashi, General Manager – Hydrogen, ENEOS Australia Pty Ltd

11:45 EBARA's Technology for Hydrogen Supply Chain
Brock Rutch, Hydrogen Business Consultant, EBARA Corporation

12:00 Water Challenges for Hydrogen Production

Leno Cavarra, Hydrogen Market Lead, Veolia Water Technologies

12:15 Unlocking On-Site Hydrogen Production: HydGene's Biocatalyst Technology

Sona Jain, Commercial Lead, HydGene Renewables

Dr Natalie Curach, Director, Founder, HydGene Renewables

Hydrogen Storage, Transportation & Distribution Solutions

12:30 Optimizing Economics: Exploring Hybrid Solutions for Hydrogen Compression

Michael Schulz, Regional Head Bid Management for Single Shaft Compressors, Siemens Energy

12:45 Advanced Manufacturing of Composite Structure for Hydrogen Applications

Dr Paul Compston, CEO and Director, New Frontier Technologies Pty Ltd a partner in the Digital Composites Factory

Electrolyser Technology Developments

13:00 Green Hydrogen Rectifier Solution Discussion

Alice Li, General Manager, Hubei Green Power Co.

13:15 Innovation in Oil-Free Hydrogen Compression: Free Floating Piston

Seong Oh, Director, Hydrogen Sales – Asia Pacific, Chart Industries

13:30 The Large-Scale Hydrogen Water Electrolysis Practice in China

Luke Zhu, Business Development VP, Tianjin Mainland Hydrogen Equipment Co. Ltd.

14:30 Evonik AEM Membrane and Hydrogens Solutions to Help Enable a Greener Future

Xinzhu Ryan Liu, Hydrogen Lead Asia Pacific & Head of Innovation Greater China, Evonik Industries AG

14:45 High Efficiency PEM System and Distributed H2 Plant

Mr. Dalin Hu, Vice General Manager, Shanghai H-ray S&T Co. Ltd

15:00 Using Distributed Hydrogen Generation to Overcome Heavy Emissions

Tim Latimer, Head of Growth and Business Development, Endua

Workforce & Skills

15:15 Solving the Challenges of Energy Transition Workforce Development

Brian Inglis, Manager Hydrogen & Ammonia Sector Council, The Competency Alliance

15:30 CQUniversity Supporting Hydrogen Ambition through Research, Workforce Development and Community Engagement

Professor Jonathan Love, Stanwell Professorial Chair in Hydrogen, CQUniversity

Hydrogen Production Innovations

15:45 The Commercially Viable Alternative to Electrolysis - Decentralised Production of H2 from Landfill Waste Using Gasification

Jamie Roodenrys, General Manager Strategic Partnerships, **Wildfire Energy**

16:00 Energy Efficient Hydrogen Production from Various Water Sources

Tianlong (Ray) Ni, Senior Representative, **Akula**

End of H2 Tech Series Day 1

H2 TECH SERIES DAY TWO

FRIDAY 13 SEPTEMBER

Hydrogen Infrastructure

10:30 Large scale Hydrogen Storage in Engineered Vertical Shafts

David Bentley, CEO, **Ardent Underground**

10:45 Balancing Act: Renewable Power, Hydrogen, and Grid Stability

Puneet Gupta, Hydrogen and Decarbonisation Solutions Lead, **Siemens Energy**

11:00 Hydrogen: Opportunities and Challenges at Gladstone Port

Moderator: Michael Best, Head of Corporate Relations & Indigenous Affairs,
Gladstone Ports Corporation Limited

Panellist: Kim Gebers, Acting Chief Executive Officer, **Gladstone Ports Corporation**

11:15 Navigating the Journey to Decarbonization and Grid Stability

Ihab Chaaban, Aeroderivatives Global Commercial Development Director, Data Centers Grid
Firming, Hydrogen & Hybrids, **GE Vernova**

11:30 Digital Solutions to Validate & Optimize Your Global GH2 Business

Carlos Marin Blanca, Green Hydrogen Global Solution Architect, **Schneider Electric**

Hydrogen Safety Innovations

11:45 Hydrogen Risk Mitigation through Fire & Gas Mapping

Chandan Das, BDM – International (New Energy), **MSA**

Hydrogen Hard to Abate & Industrial Applications

12:00 Practical Applications of Liquid Hydrogen in Heavy Industry

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Christopher Boyle, Executive Chairman and Co-Founder, **FABRUM**.

Efficiency and Cost Reduction Innovations

12:15 Empowering the Clean Digital Future: Green Hydrogen Plants for Enhanced Sustainability, and Economic Viability

Roy Calder, Industry Principle – New Energies, **AVEVA**

12:30 Toray's Activities Contributing to Hydrogen Society

Junichi Masuda, Deputy General Manager, Global Hydrogen Business Development, **Toray Industries, Inc.**

12:45 The Alios' Plan – A circular economy blueprint

Integrated, Small Scale, Local Hydrogen Manufacture and Use

David Cork, Technical Director, **Alios**

13:00 Introduction to Silicon-based Bipolar Plates Technology

Mitchell Shi, Assistant to CEO, **Siltrax Pty Ltd**

13:15 Future Proof Power Supply Solutions for Electrolyzers – Provide Hydrogen with Benefits

Paul Jones, Technical Consultant & Business Development Manager – P2G, **SMA Altense**

13:30 Born Digital Projects for a Thriving Hydrogen Future

Martin Van Der Merwe, Director for Sustainability and Decarbonisation – Asia Pacific, **Emerson**

Global Updates

14:30 Hydrogen & Derivatives Pricing Structures: Enabling a Liquid & Transparent Market

Andrea Valentini, VP, Business Development, **Argus Media**

14:45 H2 Geology in Poland: Natural Hydrogen Exploration and Storage in Geological Structures.

Dr. Krystian Wójcik, Head Specialist of the Economic Geology Department, **Polish Geological Institute – National Research Institute**

15:00 Advanced AEM Electrolysers: Pushing Efficiency of H₂ Electrolysis, Extending Lifetime, and Reducing Capex

Aniruddha (Ani) Kulkarni, CEO, **Cavendish Renewable Technology Pty Ltd.**

15:15 End of H2 Tech Series

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