

The Australian Hydrogen Conference-Agenda

16 November

Agenda timing is Australian Eastern Daylight Time (AEDT)

9:30 AM

OPENING | Opening remarks from the Chair
Dr Fiona Simon, Chief Executive Officer, Australian Hydrogen Council

9:30 AM

GOVERNMENT PERSPECTIVE

9:40 AM

MINISTERIAL KEYNOTE | Federal Ministerial Address
The Hon. Angus Taylor MP, Minister for Energy and Emissions Reduction,
Federal Government

10:10
AM

VICTORIAN STATE GOVERNMENT KEYNOTE | Victorian State Ministerial Address
The Hon. Lily D'Ambrosio MP, Minister for Energy, Environment and Climate
Change, Victorian Government

10:40
AM

KEYNOTE ADDRESS | An overview of Australia's National Hydrogen Strategy
Dr Alan Finkel AO, Chief Scientist, Australian Government

11:10
AM

Networking and refreshment break

11:30
AM

Implementing the National Hydrogen Strategy
James Hetherington, Director, National Hydrogen Strategy team, Department of
Industry, Science, Energy and Resources

11:50
AM

TASMANIAN STATE GOVERNMENT KEYNOTE | Tasmanian Renewable Hydrogen Action Plan
The Hon. Guy Barnett MP, Minister for Energy, Government of Tasmania

12:10
PM

WESTERN AUSTRALIAN STATE GOVERNMENT KEYNOTE | Western Australia's Renewable Hydrogen Opportunity

The Hon. Alannah MacTiernan MLC, Minister for Regional Development; Agriculture and Food; Ports, Minister Assisting the Minister for State Development, Jobs and Trade, Western Australian Government

12:30
PM

Lunch and networking break

1:20 PM

Woodside's hydrogen initiatives

Jason Crusan, Vice President Technology, Woodside

1:40 PM

SOUTH AUSTRALIAN STATE GOVERNMENT KEYNOTE | South Australian government perspective
The Hon. Dan van Holst Pellekaan MP, Minister for Energy and Mining, South Australian Government

2:00 PM

Kick-starting Australia's hydrogen industry: The CEFC's plan to commit \$300 million of concessional finance through a new Advancing Hydrogen Fund

Rupert Maloney, Head of Hydrogen Investment, Clean Energy Finance Corporation (CEFC)

2:20 PM

Networking and refreshment break

2:40 PM

Opportunities for renewable hydrogen

Matt Walden, Director | Business Development & Transactions, Australian Renewable Energy Agency (ARENA)

Overview of ARENA

ARENA's work and lessons learned in renewable hydrogen

What are the opportunities in renewable hydrogen

ARENA will invest \$70 million to support the development and demonstration of electrolyser technologies

3:00 PM

Piloting the energy transition in Queensland

**Professor Ian Mackinnon, Institute for Future Environments, Queensland
University of Technology**

3:20 PM

The recent hydrogen market development and its future

**Zane McDonald, Lead Analyst, Hydrogen and Alternative Transportation, S&P
Global Platts**

What is in stored in the prevailing hydrogen production pathways

How Platts is tracking these hydrogen production pathways

Who will be impacted by a low carbon hydrogen market

3:40 PM

CLOSING | Closing remarks from the Chair

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9:30 AM

OPENING | Opening remarks from the Chair

Richard Fechner, Executive General Manager & Global Leader, GHD Advisory

9:30 AM

INTERNATIONAL PERSPECTIVE

9:35 AM

The European Hydrogen Strategy and clean hydrogen alliance

Bart Biebuyck, Executive Director, Fuel Cells and Hydrogen Joint Undertaking

9:55 AM

Future of a German-Australian cooperation on hydrogen

Holger Lösch, Deputy Director General, Executive Board, Federation of German Industries (BDI)

Jamie Isbister, Ambassador for the Environment, Department of Foreign Affairs and Trade

10:15 AM

ENGIE's hydrogen initiatives

Caroline Hillegeer, Chief Commercial Officer, ENGIE Hydrogen

Q&A: Peter De Neef, Regional Representative for Asia-Pacific/Global Solutions & Partnerships Department, ENGIE Hydrogen

10:35 AM

Large scale electrolysis- Key technologies for Green Chemicals via Power to X

Karan Bagga, Chief Engineer, Green Hydrogen & Chemicals – Engineering and Technology, thyssenkrupp

10:55 AM

Networking and refreshment break

11:15
AM

The future of hydrogen mobility – An international perspective

Nicolas Pocard, Director Marketing, Ballard Power

The role of fuel cell in the future of transportation with focus on heavy duty vehicles

Fuel cell offer an attractive value proposition for heavy duty vehicles like bus, truck and train

Key element of total cost of ownership today and trends for the future towards economic parity with internal combustion engines

Beyond zero emission; a look at the sustainability of the hydrogen and fuel cell path to clean transportation

11:35
AM

New Zealand hydrogen initiatives

Dr. Linda Wright, Chief Executive, New Zealand Hydrogen Association

11:55
AM

Korea's Hydrogen Strategy

Nak-Hyun Kwon, Director of Business Coordination Department, H2KOREA

12:15
PM

Lunch and networking break

12:15
PM

HYDROGEN INITIATIVES

1:05 PM

CSIRO hydrogen strategy and feasibility studies

Dr Patrick Hartley, Leader, CSIRO Hydrogen Industry Mission, CSIRO

Vivek Srinivasan, Manager Futures Division, CSIRO

1:25 PM

The Hydrogen Industry Cluster: Building capabilities and driving industry collaboration across the hydrogen value chain

Paul Hodgson, General Manager Innovation and Stakeholder Engagement (East Coast), National Energy Resources Australia (NERA)

1:45 PM

Hydrogen Research Development & Demonstration (RD&D): Priorities and opportunities for Australia

Dr Patrick Hartley, Leader, CSIRO Hydrogen Industry Mission, CSIRO

2:05 PM

Hydrogen market outlook

Senior Representative, Baker McKenzie,

2:20 PM

Networking and refreshment break

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2:40 PM

South Australia's Hydrogen Action Plan

Richard Day, Director Low Carbon Industry Development, Clean Energy Transition Division, SA Department for Energy and Mining

The Hydrogen Action plan sets out twenty key actions across five key areas to help scale-up renewable hydrogen production for export and domestic consumption and contribute to the South Australian Growth State Plan being developed by the SA Government.

3:00 PM

Hydrogen, the natural choice for the future

Kristin Raman, Head of Strategy and Innovation, Australian Gas Infrastructure Group

Kristin will provide an update on the renewable gas landscape in Australia, including AGIG's hydrogen initiatives such as the Australian-first Hydrogen Park South Australia project – due to begin production in the first half of 2020

3:20 PM

The Hydrogen Energy Supply Chain

Jeremy Stone, Non-Executive Director, J-Power

Yuko Fukuma, Senior Staff Officer, Kawasaki Heavy Industries, Ltd

3:40 PM

Scotland's 2030 ambitions for clean hydrogen

Nigel Holmes, Chief Executive Officer, Scottish Hydrogen and Fuel Cell Association

Scotland has committed to a 75% reduction in GHG emissions by 2030

Hydrogen needs to be part of the future energy mix

Scotland has already developed a number of active hydrogen projects

North sea experience, supply chain capability and investor confidence means Scotland is poised to scale up hydrogen production and deliver progress across Transport, Local Energy Systems and Major Energy Hubs

3:55 PM

CLOSING | Closing remarks from the Chair

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OPENING | Opening remarks from the Chair
David Grabau, Senior Investment Specialist, Austrade

9:30 AM

COMMERCIALISATION & TECHNOLOGY

9:35 AM

The Opportunity for Hydrogen in Mining Mobility
Michael Dolan, Hydrogen Innovation & Development Lead, Fortescue Metals Group
The mining sector relies on the mobility of its product, people and supplies, and with transport accounting for a high proportion of the industry's energy costs and carbon footprint, there is an opportunity for hydrogen to have a significant impact on emissions intensity
The near-absence of commercially available options for the sector's mobile fleet remains a significant challenge
Fortescue's approach to this challenge will be discussed, including early initiatives being investigated for the Company's operations

9:55 AM

PANEL | Opportunities for hydrogen in the mining sector
Professor Paul Lever, Chief Executive Officer, Mining3
Fahmida Smith, Principal Market Development, Anglo American
Koen Langie, Senior Hydrogen Solutions Developer, ENGIE
Senior Representative, GHD,

10:25 AM

Hydrogen technology standards
Emelia Addo-Appiah, Stakeholder Engagement Manager, Standards Australia
Rachelle Doyle, Chair of Standards Australia ME-093 Hydrogen Technologies Committee & Hydrogen Technology Lead, Fortescue Metals Group Ltd

10:40 AM

Safety considerations for hydrogen
Nick Barilo, Director of the Center for Hydrogen Safety, American Institute of Chemical Engineers

11:00
AM

Networking and refreshment break

11:20
AM

PANEL | Social license for hydrogen

Dr Fiona Simon, Chief Executive Officer, Australian Hydrogen Council

Dr Justine Lacey, Director, Responsible Innovation Future Science Platform,
CSIRO

Dr Carol Bond, Lecturer in Management, RMIT

Professor Peta Ashworth, Chair in Sustainable Energy Futures, University of
Queensland

Whilst there is growing excitement in the energy sector about the potential of hydrogen, it is important to secure a social licence to operate. This panel will explore the benefits, risks, and barriers of hydrogen production, and how to effectively engage with the Australian public to ensure their support for the growing hydrogen industry.

12:00
PM

Wood hydrogen initiatives

Senior Representative, Wood Plc,

12:15
PM

Sector Coupling with Hydrogen – Enabling an integrated energy system

Mike Davis, Network Innovation Manager, Jemena

12:35
PM

Lunch and networking break

1:30 PM

The Asian Renewable Energy Hub: Large scale, cost effective green hydrogen for global markets

Andrew Dickson, Project Manager - Asian Renewable Energy Hub, CWP
Renewables

1:50 PM

Green Hydrogen: Dyno Nobel's feasibility study to assess renewable hydrogen at their Moranbah facility

Tim Wall, President – Global Manufacturing & Corporate HSE, Incitec Pivot

2:10 PM

CASE STUDY | Murchison Renewable Hydrogen Project

Terry Kallis, Executive Chairman, Hydrogen Renewables Australia

2:30 PM

Networking and refreshment break

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2:50 PM	<p>Clean Energy Innovation Hub</p> <p>Russell James, General Manager, Business Development West, ATCO</p>
3:10 PM	<p>Cost effective fuelling solutions</p> <p>Stephen Learney, General Manager, Haskel</p>
3:25 PM	<p>Advances in hydrogen compression</p> <p>Gary Bradshaw, Compressor Products Manager, Howden Process Compressors</p>
3:40 PM	<p>Baker Hughes hydrogen initiatives</p> <p>Senior Representative, Baker Hughes,</p>
3:55 PM	<p>CLOSING Closing remarks from the Chair</p>

19 November

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9:30 AM

OPENING | Opening remarks from the Chair

9:30 AM

HYDROGEN MOBILITY

9:35 AM

France's hydrogen initiatives

H.E. Jean-Pierre Thebault, Ambassador of France to Australia

9:55 AM

Toyota Australia - Hydrogen Centre Project

Matt MacLeod, Manager - Future Technologies and Mobility, Toyota Motor Corporation Australia

10:15 AM

Hydrogen mobility opportunities in Australia

Scott Nargar, Senior Manager, Hyundai Future Mobility & Government Relations, Hyundai Motor Company Australia

10:35 AM

PANEL | Hydrogen mobility

Nicolas Pocard, Director Marketing, Ballard Power

Matt MacLeod, Manager - Future Technologies and Mobility, Toyota Motor Corporation Australia

Scott Nargar, Senior Manager, Hyundai Future Mobility & Government Relations, Hyundai Motor Company Australia

10:55 AM

Networking and refreshment break

10:55 AM

HYDROGEN INITIATIVES

11:20 AM

Blending targets – The best way to drive uptake of renewable gas

Dr Dennis Van Puyvelde, Head of Gas, Energy Networks Australia

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11:40
AM

Commercialising a low-emission hydrogen production process

Geoff Ward, Chief Executive Officer, Hazer Group

Commercialisation Strategy

Key issues to capture emerging markets

Update on the Hazer Commercial Development Project: recent milestones and progress

12:00
PM

Being a Hydrogen Entrepreneur in Australia

Cranston Polson, Founder and Chief Executive Officer, H2H Energy and H2H Advantage

12:20
PM

Lunch and networking break

1:20 PM

The current status of hydrogen technology development and integration in Australia

Dr Neil Thompson, Managing Director, ITM Power Australia

1:40 PM

Future Fuels CRC hydrogen initiatives

David Norman, Chief Executive Officer, Future Fuels CRC

1:55 PM

Build an Efficient Value Chain through Digitalization, Modularization and Lean Automatio

Johan Backa, Director of Sales, Chemical & Refining SEA, ABB

Hydrogen is playing a growing role in the world's transition to newer, less carbon intense energy. This growing role requires a value chain that leverages newer technologies that deliver great efficiency and productivity. CAPEX and OPEX are driving decisions to fully integrated operations through digitalization; adopt a modularized, scalable approach to electrical infrastructure; and ensure tight process control throughout a facility through lean automation systems.

A "total value chain" perspective is necessary for Hydrogen producers and technology providers to build this new value chain in a way that is safe, smart and sustainable for long-term industry growth and profitability.

2:10 PM

BOC/Linde Group hydrogen initiatives

Wen-Bin Qian, Head of Business Development, ASEAN and South Asia, Linde Group/BOC Australia

2:25 PM

CLOSING | Closing remarks from the Chair & END OF CONFERENCE

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