

The Inaugural Australian Hydrogen Energy Summit-Agenda

DAY ONE | 26 March 2019

8:50 AM

OPENING | Opening remarks from the Chair
Dr Attilio Pigneri, Chief Executive, Hydrogen Utility (H2U) and President, Australian Association for Hydrogen Energy

9:00 AM

KEYNOTE ADDRESS | Ministerial address

9:30 AM

CSIRO's National Hydrogen Roadmap for Australia
Dr Patrick Hartley, Research Director - Oil Gas & Fuels, CSIRO
Launched in August 2018, CSIRO's National Hydrogen Roadmap sets out the key strategic opportunities for building an economically sustainable hydrogen industry in Australia. The presentation will highlight the approach and key findings, focusing primarily on the unique opportunities and implications for Australia's energy sector.

10:00 AM

Creating and Leveraging Hydrogen Energy Value Chains
Dr David Harris, Research Director - Low Emissions Technologies, CSIRO
CSIRO's Low Emissions Technologies (LET) Program is the nation's largest integrated research portfolio working across the spectrum of renewable and fossil energy conversion technologies. Together with stakeholders in government and industry, it focuses on developing technology pathways for low emissions renewable and coal based technologies which effectively support the transition to future energy systems with increased efficiencies and lower cost emissions reduction options while ensuring secure and sustainable energy supply. Our research underpins a suite of conventional and renewable energy technologies with the capacity to create integrated value chains to enhance deployment and impact of low emissions energy systems across energy and industrial sectors including electricity, transport, agriculture, process heat, fuels and other energy products.
This presentation will explore new and emerging hydrogen energy technology pathways and discuss some key technologies that have the potential to open up entirely new industry value chains across the energy sector.

10:30 AM

Networking and refreshment break

11:00 AM

FMG and CSIRO hydrogen project
Senior Representative, Fortescue Metals Group,

11:30
AM

The challenges for a hydrogen economy

Kobad Bhavnagri, Head of APAC Economics & Policy, Bloomberg NEF

Significant interest is building around the potential for hydrogen to become one of the principal fuels in a low-carbon economy. In this keynote address, BloombergNEF's Global Head of Special Projects Kobad Bhavnagri examines the benefits and challenges of a hydrogen economy.

12:00
PM

Hydrogen export opportunities

Tom Campey, General Manager Strategy, Australian Renewable Energy Agency (ARENA)

12:30
PM

Lunch and networking break

1:30 PM

How hydrogen can transform Australia's energy & transport markets

Gustavo Gomberg, Consultant

Why hydrogen, why now and why Australia

The global hydrogen market development and supportive policies

2:00 PM

The Hydrogen Energy Supply Chain

Senior Representative, JPower,

Senior Representative, Kawasaki Heavy Industries,

The Hydrogen Energy Supply Chain (HESC) is a world-first pilot project to safely and efficiently produce and transport clean hydrogen from Victoria's Latrobe Valley to Japan.

2:30 PM

SA State Hydrogen Roadmap

Richard Day, Acting Director - Low Carbon Economy Unit, SA Department for Energy and Mining

South Australia has led the field in clean energy generation and the transition of our economy toward a low-carbon future that is required to mitigate the devastating effects of climate change. The South Australian Hydrogen Roadmap will guide the strategic development of the hydrogen industry in SA to become a zero-carbon emitting economy.

3:00 PM

Networking and refreshment break

Informa Australia

www.informa.com.au

+61 2 9080 4300

info@informa.com.au

3:30 PM

QLD Hydrogen Strategy

Senior Representative, Queensland Department of State Development (DSD),

Queensland has the potential to become a global player in the production and export of hydrogen by using our natural resources, creating a new wave of high-value, innovation-focused jobs in the process. Queensland is well positioned to meet the growing international demand for hydrogen as well as supplying the domestic market. Strong and long-standing trading partners like Japan and South Korea have expressed interest in the potential for hydrogen production in Queensland. Our established infrastructure, close proximity to Asia, significant solar resources, and available land make Queensland well-placed to produce renewable hydrogen for domestic and international use.

4:00 PM

PANEL DISCUSSION | The current policy landscape in Australia

4:30 PM

CLOSING | Closing remarks from the Chair & Networking drinks

Informa Australia

www.informa.com.au

+61 2 9080 4300

info@informa.com.au

8:50 AM	<p>OPENING Opening remarks from the Chair Claire Johnson, Chief Executive Officer, Hydrogen Mobility Australia</p>
9:00 AM	<p>Port Lincoln Green H2/NH3 Supply Chain Demonstrator Dr Attilio Pigneri, Chief Executive, Hydrogen Utility (H2U) and President, Australian Association for Hydrogen Energy</p>
12:00 AM	<p>Woodside Hydrogen initiatives Shannon O'Rourke, General Manager - Hydrogen, Woodside Energy</p>
10:00 AM	<p>ATCO Hydrogen Microgrid Samuel Lee Mohan, Head of Innovation, ATCO Gas Australia</p>
10:30 AM	<p>Networking and refreshment break</p>
11:00 AM	<p>APA Group's transport capabilities Ivan Byak, General Manager of New Energy, APA Group</p>
11:30 AM	<p>The advent of the hydrogen mobility age: Australia's journey to introduce hydrogen-powered transport and infrastructure Claire Johnson, Chief Executive Officer, Hydrogen Mobility Australia Accelerating the introduction of hydrogen fuel cell electric vehicles to Australia was one of the main drivers for the establishment of Hydrogen Mobility Australia (HMA). The CEO of HMA, Claire Johnson will discuss the current status of the deployment of hydrogen mobility in Australia, and strategies and initiatives to overcome barriers to entry, the most significant being hydrogen refuelling infrastructure. HMA's mission is to support the development of a nationwide hydrogen station network and they are working with all levels of government and industry to realise this objective. Claire's presentation will touch on HMA's requests to governments and their approach to working with all stakeholders to support their vision of a hydrogen society for Australia.</p>
12:00 PM	<p>CASE STUDY The future of hydrogen mobility - case study of hydrogen electric vehicles in Melbourne Matt MacLeod, Manager Advanced Technology Vehicles and Site Development, Toyota Australia</p>

12:30
PM

Lunch and networking break

1:30 PM

The commercialisation of the HAZER Process
Geoff Ward, Chief Executive Officer, Hazer Group

2:00 PM

Commercialisation of Hydrogen Energy Systems
Dr Neil Thompson, Managing Director, ITM Power Australia
The ITM Power Group has invested over A\$200m in R&D activities to help commercialise hydrogen energy systems using rapid response Proton Exchange Membrane (PEM) electrolyzers across key market verticals ranging from power to gas through to e-mobility and large scale renewable chemistry. The lessons learned from ITM's pioneering hydrogen energy systems will help conference delegates understand the commercial potential for similar projects in Australia that will support the reduction and stabilisation of energy and transport costs whilst enhancing international competitive advantage in the manufacturing and resource extraction sectors.

2:30 PM

Networking and refreshment break

3:00 PM

Commercialising industrial CO2 storage hubs for Australia's energy future
C.M. (Costa) Tsesmelis, Project Director/Managing Director, Collie Synfuels Pty Ltd
Collie Synfuels have developed a modular, smaller-scale, Coal-to-Fuel Cell Hydrogen + Diesel technology that includes Carbon Capture & Storage, with CO2 geo-sequestration at nearby industrial CO2 storage hubs. The company's Collie Flagship Project in WA is linked to the South West Hub CO2 storage project. Similarly, the Latrobe Flagship Project in Victoria is linked to the CarbonNet CO2 storage. The Flagship design co-produces low cost Premium Blue Hydrogen for Fuel Cell Vehicles, together with low emissions, High Quality Synthetic Diesel. This presentation gives an overview of the technology involved, important market drivers, and the status of the Collie Synfuels' project developments in WA and Victoria.

3:30 PM

Australia's future hydrogen export opportunities

4:00 PM

CLOSING | Closing remarks from the Chair & END OF CONFERENCE