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**12-13 SEPTEMBER 2024**

**BRISBANE, AUSTRALIA**

## **Uniting Government & Industry to Accelerate Hydrogen Development**

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- **Dr Fiona Simon**, CEO, **Australian Hydrogen Council (AHC)**
- **Alana Barlow**, Deputy Director-General, Hydrogen and Future Fuels, Department of Energy and Climate, **Queensland Government**
- **Tim Stock**, Director Hydrogen and Clean Energy, **Department of Climate Change, Energy, the Environment and Water, Government of New South Wales**
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- **Franziska Teichmann**, Senior Manager & Head of the German Secretariat for the Energy Cooperation with Australia and New Zealand, **adelphi**
- **Alexandra McIntosh**, Director, Business Development & Transactions, **Australian Renewable Energy Agency (ARENA)**
- **Richard Andrews**, CEO, **Australia Japan Business Co-operation Committee**

## **Confirmed Summit Speakers Include:**

1. **The Hon Chris Bowen MP**, Minister for Climate Change and Energy, **Australian Government**
2. **Honourable Mick de Brenni**, Minister for Energy and Clean Economy Jobs, **Queensland Government**
3. **Anja Hajduk**, State Secretary, **Federal Ministry for Economic Affairs and Climate Action, Federal Republic of Germany**
4. **Sam Crafter**, Chief Executive Officer, **Office of Hydrogen Power SA, Government of South Australia**
5. **Anthony Sutton**, Executive Director, Energy Transition Strategies, **Department of Jobs, Tourism, Science and Innovation, Government of Western Australia**
6. **Tim Stock**, Director Hydrogen and Clean Energy, **Department of Climate Change, Energy, the Environment and Water, Government of New South Wales**
7. **Dr Yuichiro Fujiyama**, Senior Vice President, CTO, **ENEOS Holdings, Inc.**
8. **Lucy Nation**, Country President Australia & Vice President Hydrogen, Australia and Asia Pacific, **bp**
9. **Dr Fiona Simon**, CEO, **Australian Hydrogen Council**
10. **Menno Weustink**, Vice President New Energy APAC, **Woodside Energy**
11. **Jeremy Hasnip**, Head of Energy Transition, Australia, **Sumitomo Mitsui Banking Corporation**
12. **Phil Richardson**, General Manager Hydrogen Projects, **Stanwell Corporation**
13. **Dr Jeffrey Goldmeer**, Director of Energy Transition Technologies, **GE Vernova**
14. **Michael Choi**, Chief Executive Officer, **Ark Energy**
15. **Cameron Smith**, CEO of Hydrogen Systems, **Fortescue**
16. **Matthew Hingerty**, Deputy Chairman, Deputy CEO, Head of Business Development, **Star Scientific Limited**
17. **Taisuke Horimi**, Executive Counsellor, Green Transformation Development, **Nippon Steel Corporation**
18. **James Hunt**, Vice President, Power Systems and Services, **Schneider Electric**
19. **Dr Vicky Au**, Decarbonisation Director – APAC, **Wood**
20. **John Gunn**, Global Operations Executive – Hydrogen, **Bechtel**
21. **Tim Murray**, Head of Commercial – Australia and New Zealand, **Technip Energies**
22. **Mark McCallum**, CEO, **Low Emission Technology Australia (LETA)**
23. **Ren Jiang**, Sales President, APAC, **LONGi Hydrogen**
24. **Samuel Morillon**, Managing Director of Australasia, **Siemens Energy**
25. **Vesna Olles**, Director Strategy & Clean Energy, **BOC**
26. **Jo Clarke**, Australia Country Manager and Bureau Chief, **Argus Media**
27. **Alexandra McIntosh**, Director - Business Development & Transactions, **Australian Renewable Energy Agency (ARENA)**
28. **Rupert Maloney**, Executive Director, Alternative Fuels, **Clean Energy Finance Corporation**
29. **Leigh Collins**, Editor, **Hydrogen Insight**
30. **Connie Lo**, Vice President, **NexantECA**
31. **Ashley Manners**, Global Leader - Growth & Energy Transition, **Veolia - Water Technologies & Solutions**
32. Senior Representative, **Austrade**

# **SUMMIT DAY ONE**

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## **THURSDAY 12 SEPTEMBER**

**08:00 Registration & Welcome Networking Breakfast**

*Hosted by*



**08:45 Welcome Remarks**

Welcome to Country

Elliott McGinn, Director, Sustainable Energy Council (SEC)

Dr Fiona Simon, CEO, Australian Hydrogen Council

**09:15 Official Opening Keynote Addresses**

Anja Hajduk, State Secretary, Federal Ministry for Economic Affairs and Climate Action, Federal Republic of Germany

**09:45 Session 1: Mega Projects in APAC Driving Supply & Demand of Hydrogen**

- Current projects in the region leading the development of the hydrogen industry
- Lessons learnt to date from effective policy-project integration
- Hubs and clusters driving hydrogen trade in APAC
- Latest technologies enabling competitive hydrogen projects
- Next steps in creating a complementary hydrogen ecosystem

**Keynote Address: ENEOS's Hydrogen Business Strategy**

Dr Yuichiro Fujiyama, Senior Vice President, CTO, ENEOS Holdings, Inc.

**Moderator:**

**Panellists:**

Lucy Nation, Country President Australia & Vice President Hydrogen, Australia and Asia Pacific, bp

Michael Choi, Chief Executive Officer, Ark Energy

Dr Yuichiro Fujiyama, Senior Vice President, CTO, ENEOS Holdings, Inc.

## 10:45 **Networking Coffee Break**

Hosted by



## 11:30 **Session 2: Hydrogen Trade Across APAC & the World**

Hosted by



- The role of hydrogen for energy security in the APAC region
- Advantages and challenges of promoting domestic hydrogen use vs expanding regional trade
- Partnerships creating a hydrogen trade ecosystem in APAC
- Emerging trade corridors and hydrogen transportation networks across APAC and worldwide
- Analysing global demand trends and identifying strategic partnerships within APAC
- Strategies for expanding hydrogen infrastructure across APAC

### **Moderator:**

### **Panellists:**

**Menno Weustink**, Vice President New Energy APAC, **Woodside Energy**

## 12:30 **Session 3: Breaking Barriers: Decarbonising APAC's Industrial Sectors**

- Case studies of hydrogen applications for steel, cement, plastics, chemicals, fertilisers
- Latest trends in the hydrogen industry and their impact on green iron and steel production
- Leveraging hydrogen applications to decarbonise data centres across the region
- Public-private initiatives driving decarbonisation in challenging sectors across the Asia-Pacific region
- Hydrogen integration into hard-to-abate sector supply chains across production, distribution and use
- Cross-sector partnerships securing long-term demand to drive decarbonisation goals

**Moderator:** **Jo Clarke**, Australia Country Manager and Bureau Chief, **Argus Media**

### **Panellists:**

**Matthew Hingerty**, Deputy Chairman, Deputy CEO, Head of Business Development, **Star Scientific Limited**

**Taisuke Horimi**, Executive Counsellor, Green Transformation Development, **Nippon Steel Corporation**

**James Hunt**, Vice President, Power Systems and Services, **Schneider Electric**

### **13:30 Networking Lunch**

### **14:30 Session 4: Financing the Future of Clean Energy**

- Government incentives aimed at promoting clean energy investment: Australia's Hydrogen Headstart program, Japan's CfD scheme, U.S. IRA and others
- How does the new Australian hydrogen production tax incentive compare to other regulatory frameworks in the region?
- Risk management and insurance strategies to enable financing of hydrogen projects
- The roles of debt and equity in funding clean energy initiatives
- Strategies for mitigating risks associated with clean energy investments, including technology risks, regulatory uncertainties, and market volatility
- Forecasts for the future of clean energy financing, including key drivers of growth, potential challenges, and opportunities for innovation

#### **Keynote Address:**

**Jeremy Hasnip**, Head of Energy Transition, Australia, **Sumitomo Mitsui Banking Corporation**

#### **Moderator:**

#### **Panellists:**

**Alexandra McIntosh**, Director - Business Development & Transactions, **Australian Renewable Energy Agency (ARENA)**

**Rupert Maloney**, Executive Director, Alternative Fuels, **Clean Energy Finance Corporation**

**Tim Stock**, Director Hydrogen and Clean Energy, **Department of Climate Change, Energy, the Environment and Water, Government of New South Wales**

### **15:30 Session 5: Optimising Hydrogen Infrastructure: Storage, Transportation & Distribution**

- Strategies to streamline hydrogen transportation and distribution to enable off-take
- Case studies on innovative hydrogen storage in the region
- Enabling large-scale hydrogen storage to improve energy system resilience
- Hydrogen hubs and supply chain integration across APAC: The role of industrial clusters and Ports in developing sustainable hydrogen ecosystems
- Government incentives and regulations across APAC enabling the buildup and repurpose of hydrogen infrastructure
- Import/export terminal developments across APAC

#### **Moderator:**

#### **Panellists:**

## **16:15 Networking Coffee Break**

Hosted by



## **16:45 Session 6: Advancing Low-Carbon Hydrogen Production & Carbon Capture Solutions**

- Updates on the latest advancements in low-carbon hydrogen production technologies and carbon capture solutions
- Policies, regulations, and incentives driving deployment of low-carbon hydrogen and CCS technologies
- CCUS as a key enabler of hydrogen demand and infrastructure development to meet current targets
- Challenges and barriers hindering the widespread adoption and deployment of low-carbon hydrogen and carbon capture solutions
- Country perspectives highlighting best practices, lessons learned, and opportunities for international collaboration

**Moderator:**

**Panellists:**

**Tim Murray**, Head of Commercial – Australia and New Zealand, **Technip Energies**

**Ashley Manners**, Global Leader - Growth & Energy Transition, **Veolia - Water Technologies & Solutions**

**Mark McCallum**, CEO, Low Emission Technology Australia (LETA)

## **17:45 End of Summit Day 1**

## **18:15 Evening Reception**

Hosted by



# SUMMIT DAY TWO

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## FRIDAY 13 SEPTEMBER

### 08:00 Registration & Welcome Networking Breakfast

Hosted by  **Queensland  
Government**

### 09:00 Opening Welcome Addresses

**The Hon Chris Bowen MP**, Minister for Climate Change and Energy, **Australian Government**

**Honourable Mick de Brenni**, Minister for Energy and Clean Economy Jobs, **Queensland Government**

### 09:30 Session 7: Renewable Hydrogen Production

- Current projects spearheading hydrogen production in APAC from wind, solar and hydroelectric
- International collaboration and public-private partnerships expediting the advancement of the clean hydrogen revolution
- Analysing the diverse range of applications for clean hydrogen across industries, including transportation, manufacturing, energy storage and grid stabilisation
- Will Australia's hydrogen production tax incentive of AU\$2/kg produced using renewable energy be a gamechanger?
- Challenges and opportunities to scale up production

#### Moderator:

#### Panellists:

**Anthony Sutton**, Executive Director, Energy Transition Strategies, **Department of Jobs, Tourism, Science and Innovation, Government of Western Australia**

**Dr Jeffrey Goldmeier**, Director of Energy Transition Technologies, **GE Vernova**

**Samuel Morillon**, Managing Director of Australasia, **Siemens Energy**

**John Gunn**, Global Operations Executive – Hydrogen, **Bechtel**

### 10:30 Spotlight: Electrolyser Developments Transforming the Hydrogen Landscape

- Electrolyser giga factories making net zero targets a reality
- Electrolyser integration into existing demand centres
- Cost competitiveness of electrolyzers in APAC and World-wide

#### Moderator:

#### Panellists:

**Cameron Smith**, CEO of Hydrogen Systems, **Fortescue**



**11:00 Networking Coffee Break**

Hosted by   
Central Queensland Hydrogen Project

**11:45 Spotlight: Delivering the Central Queensland Hydrogen Project**

**Phil Richardson**, General Manager Hydrogen Projects, **Stanwell Corporation**

**11:55 Session 8: Beyond Hydrogen: Advanced Energy Carriers to Facilitate Storage & Transport of Molecules**

- Hydrogen carriers for world-wide trade: ammonia, methanol, LOHCs and liquid hydrogen and their potential applications in sustainable transport and storage
- Efficiency, scalability and practicality of different energy carriers for various transportation modes
- Market opportunities and challenges for adopting advanced energy carriers, including cost, competitiveness, regulatory frameworks and public acceptance
- Addressing safety concerns and environmental impacts associated with the transportation and use of alternative energy carriers, and identifying strategies to mitigate risks and ensure sustainability

**Moderator:**

**Dr Vicky Au**, Decarbonisation Director – APAC, **Wood**

**Panellists:**

**Connie Lo**, Vice President, **NexantECA**

**12:45 Session 9: Advancing Hydrogen Mobility on Sea, Land & Air: Market Growth in the Asia-Pacific Region**

- Latest projects utilising hydrogen and derivatives as a fuel in shipping, long-haul trucking and aviation
- Analysing the current state and future outlook of the hydrogen mobility market in the region
- Harnessing opportunities for Hydrogen Fuel Cells and Hydrogen ICE
- Strategies for scaling up hydrogen refuelling stations and infrastructure to support the growth of hydrogen mobility for trucks, buses and trains
- Sea ports and airports as enablers of hydrogen mobility
- Identifying challenges to enable wider adoption of hydrogen mobility solutions in the region

**Moderator:**

**Panellists:**

**Vesna Olles**, Director Strategy & Clean Energy, **BOC**

**13:30 Networking Lunch**

**14:45 Spotlight: Navigating Global Markets: Standardisation, Regulations and Certification**

- Latest standards on hydrogen production, storage, transport, measurement and use
- Are regulations keeping up with the standards and certification schemes worldwide?
- Public, private, independent certification schemes and methodologies – what are the issues with harmonisation?
- Certification procedures and requirements for hydrogen and best practices for achieving compliance
- International leadership driving mutual recognition and consistent regulatory frameworks

**Moderator:**

**Panellists:**

**15:30 Spotlight: APAC Leading Hydrogen Projects: Lessons Learned**

**Speakers:**

**16:00 Networking Coffee Break**

Hosted by   
Central Queensland Hydrogen Project

**16:30 Session 10: Charting the Future: Collaborative Pathways for APAC's Hydrogen Leadership**

- Hydrogen industry's expected trajectory over the next 5-10 years: Growth areas, technological advancements and market opportunities
- Identifying the critical steps and initiatives required to realise the mid to long-term goals of the hydrogen industry
- Leveraging insights gained to bring hydrogen projects to FID
- Skills development and capacity building initiatives to support the growth of the hydrogen industry

**Moderator:**

**Panellists:**

**Dr Fiona Simon, CEO, Australian Hydrogen Council**

**17:30 Closing Remarks**

**17:35 End of Asia-Pacific Hydrogen Summit 2024**