



Hydrogen  
Society  
of Australia

Looking backwards, looking forward!

Hydrogen is marching on – will you join us?

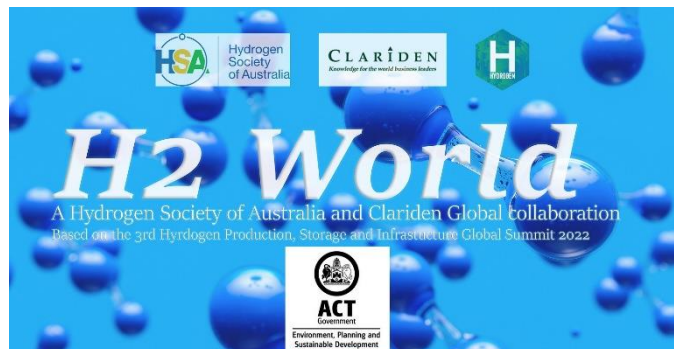
#### In this month's newsletter....

- Message from the HSA Steering Committee
- H2 World Webinar Series
- Update on the HSA Website upgrade and Members Only Portal
- Our Roadmap to the Hydrogen Economy - Looking Backwards, Looking Forwards
- Snippets of Hydrogen making moves around the world...
- Events in the Hydrogen Space
- We acknowledge the support of our corporate members

#### Message from the HSA Steering Committee

As foreshadowed in our March newsletter, we are continuing to pursue a number of key initiatives to add value to our membership. We have upgraded our website to include a members' only portal, designed to facilitate networking and provide a store of knowledge. Some of the functionality and content is still under construction, and we would welcome members comments and inputs as we proceed with the upgrade.

Under the leadership of **Adam Osseiran (HSA President)**, and in collaboration with **Clariden Global**, we have launched a series of twelve free events for our members, based on presentations from the 3<sup>rd</sup> Hydrogen Production, Storage, and Infrastructure Development Global Summit. Adam was the facilitator of the online Global Summit over the three days (19 to 21 January 2022), and has been reaching out to the presenters to provide them with an opportunity to update our members on the current status of the various hydrogen initiatives. The first two modules have been successfully delivered to our members, and recordings of these are now available on our members only portal in the [Knowledge Centre under Video Content](#).



## H2 World Webinar Series

We are pleased to announce the launch of the Hydrogen Society of Australia and Clariden Global collaboration web series H2 World. Content will include presentations from the **3rd Hydrogen Production, Storage, and Infrastructure Development Global Summit (2022)**, updates from respective presenters and experts, live QnA sessions, as well as networking opportunities. We expect to deliver between ten and twelve modules over the next six months. The participation in the H2 World web series events and screenings will be available free of charge to HSA Members and will not be available to non-members.

- **Module 1 – Delivered** on 30 March: Our first module featured Kapz Malhotra (ATCO's General Manager of Engineering Projects) providing unique insights into "**How ATCO is Blending Hydrogen into the Gas Network**".
- **Module 2 – Delivered** on 13 April: Our second module featured Alan Watkins (Executive General Manager at Coregas) presenting on the "**Port Kembla Case Study: Australia's First Hydrogen - Powered Trucks and Refueling Station In Decarbonizing The Freight Industry**". Following Alan's recorded presentation, Wodek Jakubik (Innovation Manager at Coregas) joined us online to provide the latest news on these projects and undertook a short QnA with the audience.
- **Module 3 – Confirmed** for 27 April at 12:00AWST: Our third module will feature a pre-recorded presentation on **Renewable Hydrogen Technology Demonstration in Canberra - A Case Study of Australia's First Public Hydrogen Refuelling Station** delivered by Daniel Harding (Executive Branch Manager - Climate Change and Energy Division, Environment, Planning and Sustainable Development Directorate, ACT Government).

Find out more about the H2 World web series [here](#), and register for Module 3 [here](#).

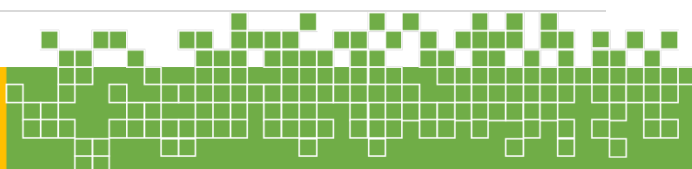
## Update on our Website Upgrade and Members Only Portal

The recent survey by the Hydrogen Society of Australia has provided excellent insights into our current membership and will provide the HSA Steering Committee much needed data to chart the way forward. The survey was issued to members on 13 February and taken offline on 24 February. A detailed analysis of charts and statistics is available on our members only portal, with a summary article capturing the highlights at the following link. [Click here for a summary of the membership survey results.](#)

Based on our membership feedback, we are currently updating the HSA website to include a members' only portal which will provide the following features:

- an archive of presentation content - [recordings now available here](#);
- a networking and collaboration platform;
- a jobs board for opportunities in the hydrogen sector;
- a register of skills and expertise in the hydrogen supply chain.

The website upgrade is a work in progress, with some of the pages still under construction. We welcome your feedback and suggestions regarding content and user experience.



## Our Roadmap to the Hydrogen Economy – Looking Backwards, Looking Forwards

### Looking Backwards - A Historical Perspective of Hydrogen and Fuel Cells

Our March newsletter provided an interesting historical perspective of hydrogen and fuel cells, linked to the personal career journeys of three members of the Hydrogen Society of Australia over the last 40 years (Lorie Jones, Raj Kurup and Quentin Meyer).

Hydrogen and fuel cell technology has been developing since the mid-1800s. The concept of the hydrogen economy was taking off in the mid-70s, due to the escalating price of oil and gas. In terms of a basic definition, the hydrogen economy is not about a single technology but a combination of three, in that hydrogen would be used for: energy storage; energy vectoring; and fuel for vehicles.

The hydrogen research in the 1980s was building on technology which had been developing over centuries. Unfortunately, the stock market crash of 1982 led to a significant fall in the price of oil and gas, and societies interest in renewable energy faded away.

Hydrogen and fuel cell technologies have gathered increasing traction in recent years to reduce the use of fossil fuels and achieve net-zero emissions by 2050, with the launch of National Hydrogen Strategies in countries all around the world (ie. Canada, France, Japan, Australia, Norway, Germany, Portugal, Spain, Chile, and Finland).

[Click on this link to read the full HSA article.](#)

### Looking Forwards - Stories on the role of Hydrogen in 2030s and 2040s

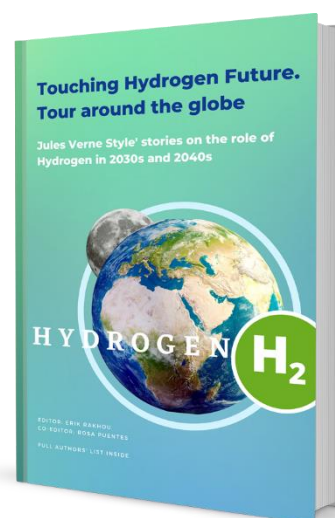
Have you ever wondered how the hydrogen economy will look in 2030 and 2040? As an initiative of the **World Hydrogen Leaders Group**, 28 energy writers around the globe have joined their efforts to share their vision and knowledge about how hydrogen could change our lives in one **free to access** book. With a foreword from former EU Commissioner for Energy, Andris Piebalgs, each of the book's 27 chapters focuses on a specific country (including Australia), providing a snapshot of hydrogen-powered life over the next twenty years.

An interactive webinar held on April 06 **Touching Hydrogen Future – Global Book Launch** discussed the state of the market, the book, the different approaches across the countries and included a Q&A session with five of the lead authors. The book is available to download from [www.europeangasmarket.eu](http://www.europeangasmarket.eu)

**Session 1 - [Watch Recording Here](#)**

**Session 2 - [Watch Recording Here](#)**

The hydrogen fuelled society of the future that was once a dream, now has the potential of becoming a reality.



## Snippets of Hydrogen making moves around the world...

### Liberty Energy Capital

Australian hydrogen fuel cell electric vehicle manufacturer [H2X](#) has entered into a partnership with KTM Technologies to create a revolutionary, innovative, lightweight and inexpensive vehicle chassis. H2X recently announced it will build its hydrogen fuel cell vehicles in Gippsland, Victoria, and this latest deal marks an important step in H2X's journey to becoming a world leader in hydrogen vehicle manufacturing. [Click here for the full newsletter](#)

### Hydrogen Europe Monthly Update (April)

In German you call it "Zeitenwende" in English we might call it an epochal tipping point. The invasion of Ukraine has caused an unprecedented development for hydrogen. On 08.03.2022, the European Commission presented their communication REPowerEU and hydrogen is a considerable part of it. A Hydrogen Accelerator is foreseen to ramp up production. It goes without saying that it will be very difficult for Europe to do this alone. Our partnership with Africa will be of utmost importance in this historical development. It was therefore a pleasure to welcome a big delegation from South Africa in Brussels and to talk about joint activities. Of course, this all needs to be planned and integrated into existing projects. For this reason, Hydrogen Europe was delighted to present its Lighthouse Initiative to the public during a webinar opened by Dr Werner Hoyer, president of the EIB. During the event, several projects from different parts of Europe presented their plans and explained how to support a hydrogen economy. [Click here for the full newsletter](#)

## Events in the Hydrogen Space

### Shell FRED Consequence Modelling Software Training - April 26<sup>th</sup> at 12:00pm AWST

Gexcon Australia (an enterprise member of the Hydrogen Society of Australia) is pleased to invite you to an online learning session where you will be introduced to Shell FRED consequence modeling software and how you can use it to perform your safety assessments for future fuels applications. You will also learn how the software has been validated for materials such as hydrogen, ammonia, CO<sub>2</sub>, methylcyclohexane, and methanol, making Shell FRED a reliable tool to assist with your decision making in projects and operations.

If the date and time do not work for you, register now and receive the recording once the live session has ended. [Click here for further details and registration.](#)

# GEXCON



## 2<sup>nd</sup> Connecting Green Hydrogen APAC 2022 - July 25<sup>th</sup> and 26<sup>th</sup>

The Hydrogen Society of Australia has partnered with the organisers of one of the largest hydrogen conferences in APAC to be held in Melbourne on July 25 and 26. A landmark event in the industry's calendar, [Connecting Green Hydrogen APAC 2022](#) will bring together the industry live and in-person to discuss the green hydrogen agenda in Australia and Asia Pacific. Connecting Green Hydrogen APAC 2022 creates a unique set-up where the policy-makers as well as both local and international developers, investors, experts and solution/product providers, meet, get market updates, debate, and learn. Attending the event is an enabler to be part of the future development of hydrogen energy in APAC.

The **cost for delegate registration is currently 20% off through to 30 April**, due to the Easter Discount. [Click here for further details and registration.](#)

## Global Hydrogen Energy Meet: Positioning Hydrogen 2022 - November 21<sup>st</sup> to 23<sup>rd</sup>

This three-day conference will be held in Melbourne from 21 to 23 November 2022. One of the objectives of this conference is to highlight Australia's potential as a "green" hydrogen superpower. Positioning Hydrogen 2022 will be a closed door B2B event for international industry leaders and key decision-makers from across the value chain for exchanging valuable insights, building and fostering business relationships, and driving forward innovation and collaboration within the industry. [Click here for further details and registration.](#)

## World Renewable Energy Congress XXI (Murdoch University) – December 4<sup>th</sup> to 9<sup>th</sup>

The Hydrogen Society of Australia (HSA) is a Supporter of the [World Renewable Energy Congress XXI](#) to be held at Murdoch University in Perth Western Australia from 4<sup>th</sup> to 9<sup>th</sup> December 2022. The source and nature of energy, the security of supply and equity of distribution, the environmental impact of its supply and utilization, are all crucial matters to be addressed by suppliers, consumers governments, industry, academia, and financial institutions. In addition to the traditional common and parallel session format the conference will be offering several workshops relating to specific research, industry and policy issues.

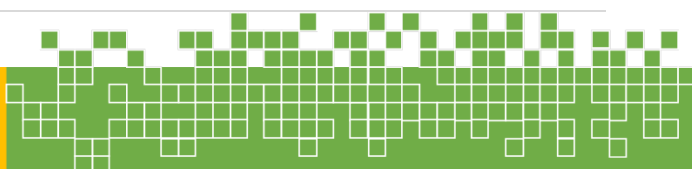
As a Supporter, the HSA will be organising two events on the Sunday 4<sup>th</sup> December.

**HSA Short Course:** "The Hydrogen Economy and Technology." Covers the four main areas of the hydrogen economy: generation, storage, transport, and utilisation. Several aspects of each of the areas will be presented and discussed. The presenters will be recognised leaders in industry and academia who are abreast of the most current status of each area, concluding with a moderated discussion with the experts. [Click here for further details.](#)

**HSA Workshop:** The workshop will run on the afternoon of Sunday 4 December, where hydrogen experts and industry leaders will be invited to present their developments and projects. The workshop could be followed by project demos discussed during the sessions.

**Online registration will be available soon on the [WREC2022 website](#) (Early bird registration will be open until 15 August 2022)**

For other upcoming events within the hydrogen space, check out the non-HSA events page [here](#)



**We acknowledge the support of our corporate members!**

[Click here to find out more about their technical services and corporate offerings in the hydrogen space.](#)

- Innovate Australia
- BE&R Consulting
- Environmental Engineers International
- Gexcon
- Good Water Energy Ltd
- Hydrogen Energy Pty Ltd
- Integrated Energy Pty Ltd
- Polish Investment and Trade
- Truck Centre WA

**We are all in this together...**

Please share this newsletter with your network, as they may be interested in joining the HSA.

Together we can foster a hydrogen society for Australia and a global renewable energy future.

Hydrogen is marching on - will you march with us?

<https://hydrogensociety.org.au/>

**Contacts**



**LEVEL 12, 197 ST GEORGES TCE, PERTH 6000**

