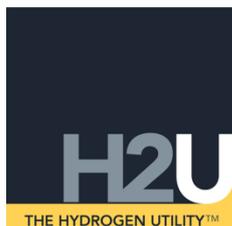


## MEDIA RELEASE



**THE HYDROGEN UTILITY PTY LTD**

ACN 635 889 164

<https://www.hydrogenutility.com>



**EPCBH**

GROWERS . HANDLING . STORAGE

**EYRE PENINSULA CO-OPERATIVE**

**BULK HANDLING LTD**

<https://www.epcbh.com.au>

### **H2U and Farmers' Co-operative Agree on Collaboration to Build Green Hydrogen and Green Ammonia Industry on the Eyre Peninsula**

#### **Memorandum of Understanding announced today on the Eyre Peninsula, South Australia**

September 22, 2021

Australian hydrogen infrastructure developer The Hydrogen Utility Pty Ltd (H2U) and Eyre Peninsula Cooperative Bulk Handling (EPCBH) announced today the signing of a Memorandum of Understanding (MOU) to explore collaboration opportunities for the development of the Green Ammonia and Green Hydrogen industry on the Eyre Peninsula.

The MOU outlines the intentions of H2U and EPCBH to jointly investigate the feasibility of using locally produced green hydrogen and green ammonia, including the EPCBH's involvement on the production, offtake and distribution of sustainable fertiliser and fuel products on the Eyre Peninsula.

The MOU also covers collaborating on the potential for further renewable energy development, attracting research and development opportunities to the region and developing local employment and training initiatives.

H2U will lead system and infrastructure design and co-ordinate collaborations with leading technology partners to develop supply chain solutions for sustainable fuels and fertilisers.

EPCBH will liaise and interface with the farming community to identify and develop the interest in the adoption of green ammonia for fertiliser applications and green hydrogen for transport fuel and machinery.

H2U's initial Eyre Peninsula Gateway™ project, a major regional economic development, will be the first, export-oriented green hydrogen and ammonia manufacturing facility in Australia, utilizing 100% renewable energy from solar and wind developments in South Australia.

Dr Attilio Pigneri, Founder and CEO of H2U commented "Working with EPCBH enhances our commitment to leverage the Eyre Peninsula Gateway™ project as a catalyst for developing regional opportunities that benefit the wider Eyre Peninsula community.

Tim Scholz, CEO of EPCBH commented “Working with H2U enables EPCBH to plan for decarbonised fuel and fertiliser products to support greening of our farming and logistics operations. This will enhance the value of the agricultural production on the Eyre Peninsula in a commodity market where differentiation and price enhancement is often difficult. Our members also see this collaboration as creating the opportunity for green hydrogen as an on-farm fuel in the not too distant future.”

Tim Scholz further noted that “Recent research by the CSIRO and others indicate that 70% of the greenhouse gas footprint for Australian wheat production in the past five years comes from fertiliser production and use along with transport and machinery use. Access to zero carbon fertiliser and hydrogen as a potential fuel is critical for our industry both in marketing our grain to the world and substantially reducing our carbon footprint. This agreement is a positive first step in that direction.”

The parties have established a joint working group to collaboratively progress these initiatives and support further industrial green hydrogen and green ammonia developments in the Cape Hardy region.

“This collaboration builds on our commitment to a future development in the Cape Hardy region and cements the economic opportunity for the region in the medium- and long-term with green hydrogen and green ammonia products delivering value-added and market differentiation to agricultural and mining operations. The co-location and industrial synergies associated with this ground-breaking MOU will deliver new markets and industries for the region and attract further investments, economic growth and most importantly stable long term employment opportunities for generations to come.” said Dr. Pigneri.

-ENDS-

## **Background**

### **Eyre Peninsula Gateway™**

A world-leading green hydrogen and green ammonia project, the Eyre Peninsula Gateway™ project is the first in a pipeline of several green hydrogen and green ammonia projects being developed by H2U across Australia and New Zealand.

The project will be built in two stages. The initial, A\$240m Demonstrator Stage is expected to commence production of green hydrogen and ammonia during Q1 2023.

Integrating a 100 MW electrolysis plant, and a 120 tonnes per day (tpd) ammonia synthesis plant, the Demonstrator Stage will represent Australia's largest integrated green hydrogen and green ammonia facility, with a total production capacity of up to 15,000 tonnes of green hydrogen per year and 40,000 tonnes of green ammonia per year, respectively.

The Demonstrator Stage development has received financial support under the South Australian Government's Renewable Technology Fund, with a \$4.7 million grant and a \$7.5 million loan announced in February 2018.

A *world-first* integration at scale of green hydrogen and green ammonia production technology powered by renewable energy, the *greenfield* Demonstrator Project will include the development of new production technologies and validation of the technical performance, of H2U's proprietary Green H<sub>2</sub>/NH<sub>3</sub>™ and renewable energy integration concepts.

The project will be later expanded through the Export Stage, with an industrial-scale facility integrating 1.5 GW of electrolysis plant with a 2,400 tpd ammonia synthesis plant, designed to drive further exports of green ammonia to support decarbonisation in the global power generation and maritime transport markets.

At full scale, the Eyre Peninsula Gateway™ project will represent largest green hydrogen and green ammonia project globally, with a total production capacity of over 200,000 tonnes of green hydrogen per year and 800,000 tonnes of green ammonia per year, respectively.

### **The Hydrogen Utility™ - H2U**

H2U is a specialist developer of green hydrogen infrastructure solutions for decarbonisation, renewable energy storage and sustainable mobility, and is the leading developer of green hydrogen infrastructure projects in Australia.

H2U focuses its infrastructure development initiatives on the opportunity to value-add renewable energy and integrating it in the production of green hydrogen for use as a fuel for energy, mobility and industrial applications, including as the building block for the manufacturing of green chemicals, primarily ammonia, and as a feedstock in the manufacturing of green metals, primarily green steel.

The H2U business model is based on a build-own-operate approach combining the lean and agile developer model with the long-term focus of an infrastructure operator. H2U has established a portfolio of strategically located development sites across Australia and New Zealand designed to provide a significant footprint of industrial-scale green hydrogen production facilities and deliver cost-effective green hydrogen products and solutions to support and accelerate deep decarbonisation in the industrial, chemicals, agriculture, energy and mobility markets.

H2U is based in Australia with a vision to operate throughout the Asia-Pacific.

[www.hydrogenutility.com](http://www.hydrogenutility.com)

## **Eyre Peninsula Cooperative Bulk Handling Limited – EPCBH**

EPCBH is a cooperative with a strong farmer relationship base in the region and is looking to identify and provide new cost effective, nutrient efficient and environmentally sustainable fertiliser solutions for the region.

EPCBH was formed in August 2017 to investigate opportunities that will improve competitiveness for growers and farmers across the Eyre Peninsula and is committed to finding opportunities that will provide choice to Eyre Peninsula Growers in the areas of transport, storage, handling and exporting of grain.

EPCBH is working with Iron Road to establish a grains export facility at Iron Road's proposed deep water port at Cape Hardy, to address the critical need for competitive grain supply chains to benefit the Eyre Peninsula Growers.

EPCBH is committed to working collaboratively with partners to achieve its aims and vision.

[www.epcbh.com.au](http://www.epcbh.com.au)

FOR RELEASE 5pm, September 22, 2021

<b>For media enquiries please contact:</b>	
<b>H2U</b> Mr Tristram Travers Executive Director - Commercial and Strategy The Hydrogen Utility Pty Ltd T: + 61 418 129 426 E: <a href="mailto:tristram@hydrogenutility.com">tristram@hydrogenutility.com</a>	<b>EPCBH</b> <u>Mr Tim Scholz</u> Chief Executive Officer <u>Eyre Peninsula Cooperative Bulk Handling Ltd</u> T: +61 400 756 264 E: <a href="mailto:admin@epcbh.com.au">admin@epcbh.com.au</a>

Link to EP Gateway video

<https://www.youtube.com/watch?v=eljJ8PNBI1E>



Signing of MOU Graham Waters, Tim Scholz, Attilio Pigneri, Sam Crafter (left to right)



EPCBH and H2U Ray Elleway, Tim Scholz (Front Row left to right)

Peter Swaffer, Attilio Pigneri, Graham Waters, Sam Crafter, Trevor Cliff, Sylvia Edifor (Back row left to right)

