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MEDIA RELEASE

Leading Hydrogen Developer H2U project profiled in Mission Innovation Hydrogen Valleys Europe

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The Hydrogen Utility Pty Ltd (H2U), Australia's leading hydrogen infrastructure developer, has had its Eyre Peninsula Gateway Project in South Australia recognised as one of four leading projects globally to be showcased at the launch of the Hydrogen Valleys Initiative, promoted by the European Commission under the auspices of Mission Innovation (MI).

Mission Innovation, a global initiative of 24 countries and the European Commission (on behalf of the European Union) seeks to accelerate global clean energy innovation with the objective to make clean energy widely affordable. Its initiative *Innovation Challenge 8: Renewable and Clean Hydrogen (IC8)*, co-led by Australia, Germany and the EU, seeks to accelerate the development of a global hydrogen market by identifying and overcoming key technology barriers to the production, distribution, storage and use of hydrogen at a gigawatt scale.

Following a global search, forty case studies have been selected from Australia, Austria, Chile, China, EU, France, Germany, Italy, Japan, Netherlands, the UK and the USA for inclusion in the 'Hydrogen Valleys' portal. H2U's Eyre Peninsula Gateway Project has been selected as one of the four leading Hydrogen Valley projects globally to be showcased at the launch event, hosted virtually by the European Commission on January 19, 2021.

Dr Attilio Pigneri, CEO of H2U congratulated the European Commission, Hydrogen Valleys and Mission Innovation teams for the work they have done in coordinating a global approach to the scaling up and development of the hydrogen sector.

"The Innovation Challenge represented in IC8 will drive a clear pathway for the global decarbonisation to address climate change". Dr Pigneri said, "This recognition of the H2U Eyre Peninsula Gateway project represents a global recognition of the Projects technical and commercial maturity along with the ability of the Project to demonstrate best practices in renewable hydrogen industry development".

The South Australian Minister for Trade and Investment Stephen Patterson congratulated H2U on the Eyre Peninsula Gateway Project being one of only a handful of global projects showcased at the launch of the Hydrogen Valleys Initiative.

“H2U brings an innovative and ambitious approach to South Australia and is playing a key role in positioning the state at the forefront of the emerging global clean hydrogen production and export industry,” Minister Patterson said.

“This \$250 million green hydrogen and ammonia project is globally significant and has been supported by a \$4.7 million grant and a \$7.5 million loan from the South Australian Government.

“Once completed in late 2022 it will be the largest green ammonia plant in the world and will harness our world class wind and solar resources to deliver more jobs and economic growth.”

Dr Fiona Simon, CEO of the Australian Hydrogen Council noted “Australia is uniquely placed to harness its natural resources to produce hydrogen for export, and Australian companies are equipped with the skills and knowledge to grow the hydrogen industry.”

“I am pleased to see Australian innovation recognised on a global scale for its contribution to accelerating the transition to hydrogen.

I would like to congratulate H2U on this achievement which will demonstrate how green hydrogen can be exported to meet the demands of our trading partners.” said Dr Simon.

Eyre Peninsula Gateway

The Eyre Peninsula Gateway Project, a world-leading green hydrogen and green ammonia project, is the first in a pipeline of several green hydrogen and green ammonia projects being developed by H2U, will be built in two stages.

The initial commercial-scale Demonstrator Stage will integrate a 75 MW electrolysis plant and a 120 tonnes per day ammonia production facility. With a total production capacity of up to 40,000 tonnes of green ammonia per year, the Demonstrator facility will supply the local South Australian and domestic markets, and support trial export shipments of green hydrogen and green ammonia to Japan and other North Asian economies.

The project will be later expanded through the Export Stage, an industrial-scale facility with a total production capacity of up to 2,400 tonnes per day of green ammonia, designed to drive further exports of green ammonia.

Having completed the feasibility, site selection and preliminary planning activities with support from the State Government grant the Project is now progressing to implementation with the Front-end Engineering and Design (FEED) Study due to start shortly.

This sets the Eyre Peninsula Gateway apart from the growing portfolio of green ammonia initiatives globally, as the first project to achieve this critical milestone, further progressing H2U and South Australia’s leading position in the industry.

“The Eyre Peninsula Gateway project, will be the first, export-oriented green hydrogen and ammonia manufacturing facility utilising 100% renewable energy and a significant step towards meeting the needs of the emerging global markets.” Dr Pigneri said.

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Mission Innovation

Mission Innovation is a global initiative of 24 countries and the European Commission (on behalf of the European Union), working to reinvigorate and accelerate global clean energy innovation with the objective to make clean energy widely affordable.

Mission innovation was announced at COP21 on November 30, 2015, as world leaders came together in Paris to commit to ambitious efforts to combat climate change

Mission innovation brings together Energy Ministers and Ministers of other sectors that play an important role in the clean energy transition to address the challenges of climate change and to smooth the transition of the decarbonisation of the global economies.

Ministers of Mission Innovation Members provide high level leadership in initiatives and priorities coming together annually with key private sector players, investors and research institutions to assess and accelerate innovations that bring affordable clean technologies to market.

The Hydrogen Utility™ - H2U

H2U 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, energy and mobility markets.

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

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