



Media Release
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Port Anthony Renewables, Patriot Hydrogen strike JV deal to build hydrogen plant

Sydney, NSW: Port Anthony Renewables and Patriot Hydrogen have signed a binding joint venture agreement to develop and build a hydrogen production facility capable of eventually producing up to 60 tonnes of green hydrogen per day.

The Patriot Hydrogen Project will be located at Port Anthony, which is situated 180km South East of Melbourne, and supply green renewable hydrogen to the domestic and international markets.

The facility will have an initial production target of only 2 tonnes per day with an anticipated scale up in production to 60 tonnes per day within 5 years.

What is unique about the Patriot Hydrogen Project is it will utilise biomass to produce hydrogen.

The new technology uses a Thermal Recovery Unit, which through pyrolysis converts waste materials into gas (hydrogen rich product gas or pyrolysis gas) and carbon bio char.

The gas can be used a variety of ways including to fuel a thermal oxidiser for the production of steam, for heat or for combined heat and electricity, or to fuel internal combustion technology for the production of combined heat and electricity.

The hydrogen rich gas can be further processed to recover the hydrogen for domestic and export sales.



A secondary product from this process is Biochar, which can be sold and used for various industrial or agricultural applications.

“This deal is a significant step forward for Australia’s ambitions to position itself as a major player in the global hydrogen market by 2030, and builds on the country’s push to decarbonise a large energy-based industry by engaging in activities that substantially reduce carbon emissions,” Port Anthony Renewables Executive Director Ben Anthony said.

“Port Anthony, and the greater surrounding area has a long-established history of supporting Australia’s energy needs and has actively participated decade after decade in the industry. It has proven itself to be a cornerstone in the energy sector.

“This deal with Patriot Hydrogen is yet another opportunity to show Port Anthony can manoeuvre itself to continue to provide that service to Australia through a greener way of operating.”

Patriot Hydrogen and Port Anthony Renewables will establish a new JV company called Patriot Hydrogen Port Anthony Pty. Ltd. to fund and develop the hydrogen production facility.

The Patriot Hydrogen Project will produce liquid hydrogen for export and domestic markets and to fuel large vehicles, buses, boats, trains and cars, as well as Biochar to supply domestic markets.

Massive demand for renewable hydrogen

Major economies around the world are rapidly shifting to renewable energy sources as they strive to meet their zero emissions targets.

The growing demand for hydrogen in particular is evident with global oil majors like BP and Woodside announcing their hydrogen aspirations.

The Australian Renewable Energy Agency estimates global demand for hydrogen exported from Australia could be over 3 million tonnes each year by 2040, which could be worth up to \$10 billion annually to the economy by that time.



This makes it a major focus for Australia, with the CSIRO releasing a National Hydrogen Roadmap and the Australian government putting in place its National Hydrogen Strategy.

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ABOUT PATRIOT HYDROGEN

Patriot Hydrogen is 100% owned by Liberty Energy Capital Pty Ltd, an Australian investment company focused on renewable fuel and energy projects. Liberty Energy Capital has invested in many hydrogen, biomass and renewable energy companies and seeks to build a portfolio of renewable operations throughout the world. www.patriothydrogen.com.au

ABOUT PORT ANTHONY RENEWABLES

Port Anthony Renewables Limited is focused on being a leader in the production of green hydrogen and establishing itself as the largest green energy hub for South Eastern Australia. It is an independently owned operation with a solid grounding in port stevedoring services and facilities, and vast experience in industrial operations in the gas and mining industry. The company views hydrogen production as a major source of economic development for Victoria's and Australia's future. www.portanthonyrenewables.com.au