

# Patriot Hydrogen signs on Sweetman

PROMINENCE Energy investment Patriot Hydrogen has signed a binding agreement to supply one of its P2H hydrogen units to Sweetman Renewables, a green hydrogen developer focussed on using byproducts from sawmills as feedstock for the gas.



**Future Of Energy > Hydrogen** Prominence, which owns and operates the Bowsprit oil project in Louisiana, recently announced it would take a 20% share of Patriot for \$500,000.

**Comments** Sweetman will initially take one unit, but another 14 over the next two years.

**Share** The units are able to create syngas, which has high levels of hydrogen. It can be further refined to create a hydrogen-only product but the company has not detailed how.

**Helen Clark**  
Editor

The first unit will have an initial target of 1 tonne per day with a scale up to run over three years.

That initial output will produce 750 kilowatt hours of dispatchable power which is enough to run a power the plant, which Sweetman says will lower its operational costs and delink it from the grid, which is an advantage for remote locations.

The units use waste and biomass as feedstock for pyrolysis with carbon biochar a byproduct. Biochar is a type of charcoal, which contains high levels of inert carbon, thus limiting CO2 emissions. It can be used in carbon farming.

The units are easily transportable, also, offering benefits for remote operations, as opposed to large-scale, fixed location hydrogen generators.

Unit cost is A\$2.9 million which excludes licensing fees.



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