



Solar powerfuels set to decarbonize Australia's gas sector

Monday, June 3rd, 2019

Melbourne, Australia. - [Southern Green Gas](#) and [Enapter](#) have announced a partnership to jointly drive the development of solar powerfuels in Australia, calling time on fossil fuel-based energy generation. Solar powerfuels are synthetic, gaseous or liquid fuels produced from renewable energy sources. They are the missing link to bring renewable energy to the heating, transport and industry sector for domestic and export use.

Southern Green Gas proposes to showcase its solar powerfuel at the demonstration project in southern Queensland. The project will comprise solar electricity to power an Enapter EL 2.0 that splits water into its component gases, hydrogen and oxygen. The green hydrogen is then combined with carbon dioxide extracted directly from the air to create renewable methane.

“Solar is an incredible success story in Australia and globally”, said Rohan Gillespie, Managing Director of Southern Green Gas. In Australia, solar irradiation levels are amongst the highest in the world. “We now have the technology to capture solar energy in the form of 100% sustainable methane gas which is more easily stored and distributed than electricity”. Southern Green Gas assessed all the available suppliers of electrolysers globally. “We have been scanning the market for a suitable partner and are convinced that Enapter’s solution is a perfect fit for our approach”, Gillespie stated.

“We are very excited about this partnership”, stated Sebastian-Justus Schmidt, Chairman of Enapter. “The scale of the project allows us to reduce prices for our hydrogen electrolysers to extremely compelling levels. Ultimately this solution could create a major export market, and ultimately allow Australia to become self-sufficient in transport fuels”.

The partnership was announced just days after the Energy Networks Australia released a report confirming that injection of hydrogen into the gas distribution network can be done under current gas legislation providing confidence for investors and businesses in the space.



Enapter





Southern Green Gas,

Rohan Gillespie, rohan.gillespie@southerngreengas.com.au or 0438 722 443

Southern Green Gas is developing renewable methane projects in Australia for domestic and export markets. Renewable methane, which can easily be converted into hydrogen at a customer's site, is the preferred means to transport renewable hydrogen. It is potentially the lowest cost and can be delivered quickly to market because it uses the existing natural gas pipeline and shipping system.

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

Enapter,

Vaitea Cowan, vaitea@enapter.com or +49 30 25814 7916

Enapter manufactures highly efficient, modular hydrogen generators using Anion Exchange Membrane electrolysis. Its core technology has a 10-year proven track record. It is the foundation for the unique low-cost, compact electrolyser. The EL 2.0 is fully stackable and easy to integrate with the Energy Management System. Enapter systems are used internationally in industries like telecommunications, mobility, energy. The team combines electrochemical and IT expertise to drive the Hydrogen Economy in hardware and software. Enapter has offices in Berlin, Pisa, Bangkok and St Petersburg.

<https://www.enapter.com>



Enapter

