



WE ARE IN THE BUSINESS OF RENEWABLE ENERGY

Our renewable energy technology delivers competitive carbon neutral fuels, without using biomass (food), without creating, in fact we absorb available vented **CO₂** from many industries, including gas fields saving them from carbon taxes and generating licensing fees.

Bottom line is we produce 'Solanol', we are completely sustainable and compared to rising costs and limitations of oil, we deliver at competitive price and enviro renewable transport fuels that are easily integrated into existing infra structure.

We reduce dependence on imported oil, we reduce greenhouse emissions. It is the only process that can economically convert the sun's energy (or other renewable energy DC inputs) into liquid transport fuels cost-efficiently.

For every 1 kg enviro-hydrogen we also produce 8 kg enviro-oxygen, which is to be used as a 'pure enviro-oxygen input' into 'oxygen coal fired' power stations (including CNG oxy fired gas turbines), creating a pure concentrated **CO₂** flue output gas stream, which makes sequestration efficient and economic, with a further possibility of converting into pure carbon black, which is used for products and keeps the **CO₂** on the ground, all combined into seriously helping to 'clean up' old polluting industries and is good for the environment/planet, a win-win for all industries.

We can also deliver enviro hydrogen to mining industry for ore separations rather than using acid leaching.

Our Solanol Prototype 300 kWh takes 18 months to build, creating a template for 'Solanol' refineries to be built in Australia and globally, starting at the smallest ROI size being 10 MW using renewable DC input.

Revenue summary: Sale of renewable carbon neutral Solanol, Oxygen, Hydrogen, production of electricity, licensing fees, massive carbon footprint credits, mining and mineral ore separations. Turning the sun's energy into base load.

Hydroxy generator proof of concept from Macquarie University, independent validation of unique IP, ultra reliable, built from low cost materials using no expensive noble metals (as in competition), cost efficient making it economically achievable to scale up to refinery ROI, proven to be durable and safe, very low maintenance, flow rate 162 litres kWh hydrogen with 81 litres oxygen (can be easily increased), patentable.

With known industrial process of cryogenics external density separation, of the hydrogen from oxygen is cost effective and achievable, making many industrial process viable because of the enviro cost effective economics of the invention.

Comparisons to existing conventional methods of making hydrogen, which is the steam reforming technology using natural gas and other methods of electrolysis:

Steam Reforming wholesale: using \$4.50 per GJ is \$6 per kg H₂ (producing emissions of 56 kg CO₂)

Conventional Electrolysis wholesale: due to increased maintenance costs, up to \$100 per kg making it uneconomical.

Our technology does not compete with Biofuels, as governments cannot get enough of renewable fuels however we are 70% more cost effective, without subsidies.

Currently ethanol wholesales at 0.90 cents and we can produce it at 0.40 cents litre.

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