



The global status of Hydrogen

how to visualise the specifications of any Hydrogen project



Mike Cooper answers all the questions you asked in our Hydrogen webinar.

Does TROVE include just hydrogen plants or also the uses?

TROVE Hydrogen includes details on the plants generating the hydrogen, the intended uses for that hydrogen and the many other projects, not associated with a specific hydrogen source, that utilise hydrogen – in total there are over 700 assets captured!

Which sector do you see as the key target for hydrogen?

I think that ammonia is a key area for hydrogen. I also think that larger vehicles, which are maybe less suited to batteries are also a key area where hydrogen could play a major role in decarbonisation. I think that there is little point competing in the car market as there would have to be large scale infrastructure change, and there are already green alternatives in this market with Battery Electric Vehicles. I think efforts would be better placed where there are bigger gains to be made.

Have there been any developments in hydrogen only turbines/burners? Is that economic or feasible?

Yes it is feasible. The issue is that they are less efficient than their methane equivalents. Because hydrogen has less energy potential per unit volume, methane is a more efficient energy. In terms of energy conservation, grey hydrogen (formed from gas without CCS) seems to have little logic – you are still polluting with atmosphere with carbon but you get less energy than burning the methane. As hydrogen is less dense than methane, it is also less

Should governments be doing more to promote/invest in Hydrogen technologies?

The short answer is Yes. If hydrogen is going to become an important part of the energy transition it will require increased backing from governments. I think COP26 will be the best indicator of where hydrogen will sit in the future of green energy.

What are the subscription charges for TROVE database?

For webinar attendees TROVE Hydrogen costs £2k - £15k (GBP) depending on company size. This offer is valid until 30th June 2021. The subscription lasts for 1 year, after which there is a 30% maintenance fee to renew charged annually. Get in touch for specifics regarding company size and our standard pricing structure for after the offer period (info@troverenewables.com).

Do you think there is a future for hydrogen in our energy mix without a carbon tax?

I think it is unlikely – unless there is a punitive carbon tax introduced, methane will continue to be the cheapest option. It will be hard to switch to hydrogen without changing that.

Contact info@troverenewables.com if you have any other questions