



FuelPositive
Fuel For A Mindful World

The Hydrogen Economy

- **Green Ammonia will play a key role in moving us into the hydrogen economy.**
 - **FuelPositive's green ammonia production system is the enabler for hydrogen-based solutions.**
- It has been widely acknowledged that hydrogen is potentially the perfect fuel to replace fossil fuels, particularly in the global transportation sector.

The world can't wait!

- But, significant problems associated with hydrogen will require decades of development before it can be safely and effectively used as a reliable source of energy – on its own.
 - Producing pure hydrogen is energy-intensive and the end-product is highly volatile.
 - Storing pure hydrogen is difficult.
 - As a liquid, it boils off at standard temperatures.
 - As a gas, it requires extreme pressure to store, which is both costly and technically challenging.
 - Transporting pure hydrogen is difficult and dangerous.
 - An effective distribution network for hydrogen has not yet been developed.

- Being the smallest element on the periodic table, hydrogen leaks into the crystalline structure of metals, making the metals brittle and susceptible to cracking and failure.
- With the extreme high-pressure distribution requirements to transport hydrogen, the network would need to be built from the ground up at enormous cost.

- **Not only does FuelPositive's green ammonia production system require much less energy than producing hydrogen on its own, but ammonia stores 65% more hydrogen than highly compressed pure hydrogen, making ammonia the most efficient way to store and transport hydrogen.**
- FuelPositive's in-situ modular, scalable and transportable green ammonia production systems can be installed wherever end users require green ammonia to be used, reducing global reliance on massive refineries, supertankers and pipelines.

Link to [this section](#) on our website.