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Uses of Hydrogen

Hydrogen can replace natural gas for both domestic and industrial combustion. Vehicles can be fuelled by hydrogen either by direct combustion or by conversion to electricity in a fuel cell. Hydrogen powered cars are already on sale in the UK. Hydrogen works in tandem with renewable energies, acting as an energy store, hedging against the times when the sun does not shine or the wind does not blow.

Shipping
There are several methods under review for the transport of Hydrogen

- Pure Hydrogen either pressurised or in a liquid form
- Using a liquid organic carrier like Toluene
- By means of a chemical conversion followed by a decomposition at the recipient port. Examples of this are Ammonia or Methanol

Carbon Neutral

All of the production and shipping processes can be done in a carbon neutral manner by utilising renewable energies or by using Hydrogen as the fuel driving them.