Value chain for green hydrogen

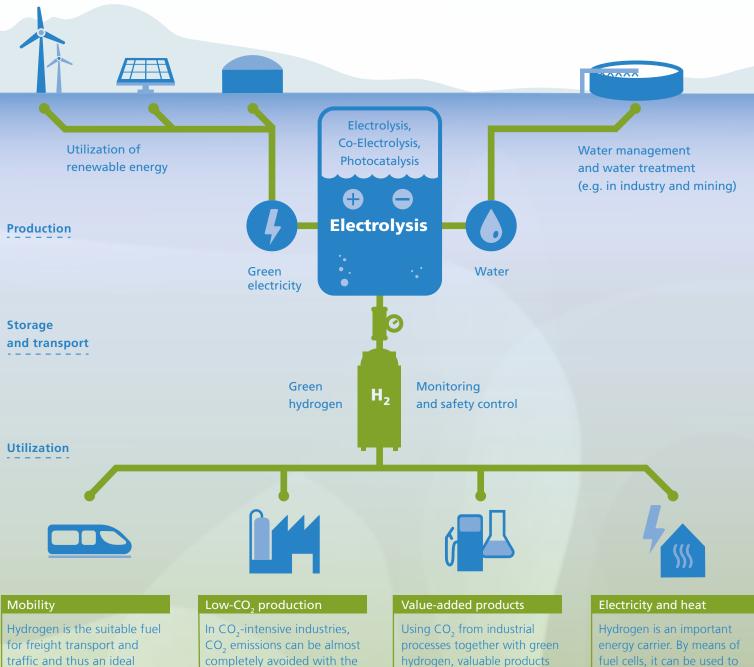
Hydrogen will play a significant role in a future energy and economic system as an energy carrier and as a raw material. However, hydrogen is only climate-friendly, i.e. green, if it is produced from renewable energies. The most important technology for this is electrolysis, which is ideally suited for coupling with wind power and photovoltaics. The use of green hydrogen in the industrial and mobility sectors can significantly reduce CO₂ emissions.





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Railway traffic • Heavy vehicle traffic • Shipping • Air traffic • Agriculture • Public transport

complement to e-mobility.

completely avoided with the help of hydrogen technologies.

Steel industry • Lime industry • Cement industry • Chemical industry

hydrogen, valuable products can be manufactured.

Synthetic fuels • Higher alcohols and valuable organic substances • Waxes fuel cells, it can be used to generate electricity and heat.

Fuel cell CHP units • Primepower applications • Process