

Green v blue hydrogen

Plunging renewable energy and electrolyser costs are set to make green hydrogen a more cost-competitive fuel over the next decade or so. But technology to capture CO2 from hydrogen created from natural gas is also improving.

Grey hydrogen	Blue hydrogen	Green hydrogen
Split natural gas into hydrogen and CO2	Split natural gas into hydrogen and CO2	Split water into hydrogen by electrolysis powered by sun, water or wind
CO2 emitted into the atmosphere	CO2 stored or reused	No CO2 emitted

