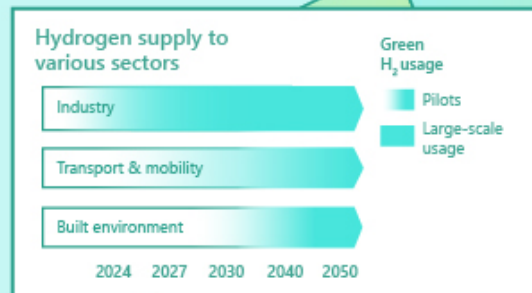
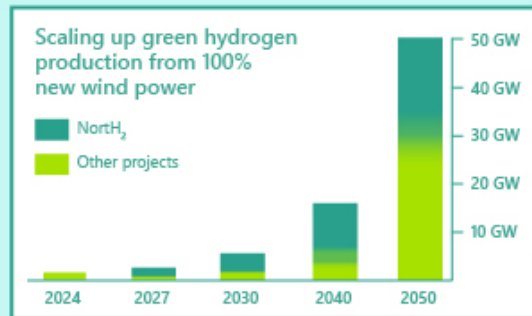
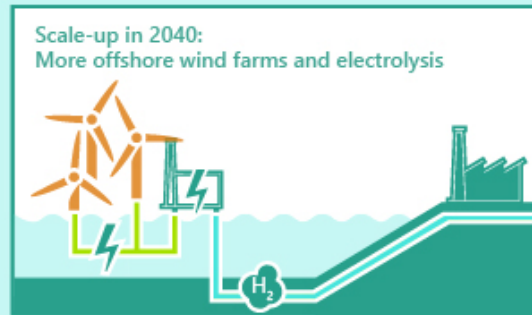


NorthH₂

Kickstarting the green hydrogen economy

One single integrated chain in which renewable power generated by offshore wind farms is used for large-scale green hydrogen production, transmission, storage and supply. With this ambitious initiative, Equinor, Gasunie, Groningen Seaports, RWE and Shell Nederland, supported by the Province of Groningen, will help achieve the targets from the Dutch Climate Agreement.

We will be supplying large quantities green hydrogen to industry in the Netherlands and North-western Europe, reducing CO₂ emissions by 8 to 10 megatons per year. This initiative will give the green hydrogen market a real boost!



2030

North Sea wind farms generate power

100% green power

The electrolyser produces hydrogen from 100% renewable power

100% green hydrogen

Hydrogen stored in underground caverns

Industry uses green hydrogen as a resource and for process heating

Reuse of gas pipelines for transporting hydrogen eliminates the need for additional power grid upgrades

1,000,000 tonnes of green hydrogen prevents 8 to 10 megatons of CO₂ emissions per year

Wind farm scale-up from 4GW in 2030 to 10+ GW in 2040

Hydrogen buffer to compensate for fluctuations in solar and wind power generation

NorthH₂ creates extra jobs in the northern Netherlands

RWE

equinor

GRONINGEN SEAPORTS



gasunie
crossing borders in energy