

Norwegian H2 brief

Norwegian industrial actors have produced and utilized hydrogen and ammonia from renewable in large scale since 1927. Companies like Norsk Hydro developed their own electrolyser technologies which are used all around the world today.

Norway is now developing production, infrastructure, distribution and end users of hydrogen and ammonia along the Norwegian coast. This means that Norwegian suppliers are developing new technology and competence combined with technology used in other industries.

The development will benefit onshore, marine and offshore activities. As an example, could mention hybrid solutions for power production and propulsion of vessels based on LNG, hydrogen, ammonia, fuel cells, combustion engines and batteries.

In addition, Norway produces hydrocarbons which could be converted to hydrogen and other energy carrier combined with CCS. Norway has low CO2 emission from hydrocarbon production and has also ambition to supply energy with low emissions. This means that Norway could produce both green and blue hydrogen which could be distributed on vessels or in existing and new pipelines to Europe. Norwegian government has several incentives to increase the use of low carbon fuels, and is funding end users as industry, vessels, and ferries to operate on low emission solutions.

Today, hydrogen technologies, solution providers and projects in Norway are emerging across the entire value chain, including:

- Hydrogen/ammonia production
- Industrial applications
- Transport, infrastructure and maritime
- Hydrogen use in the energy system



The Norwegian government launched its Hydrogen Strategy in 2020:

[The Norwegian Government's hydrogen strategy - regjeringen.no](https://www.regjeringen.no/en/dokumenter/the-norwegian-government-s-hydrogen-strategy/id2804124/)