

#H2OffThePress

Norway

What makes the country a future champion of **green products export** to the EU and globally?



Solid foundations for massive green hydrogen production



Norway is a strong candidate to host many green hydrogen and derivatives (ammonia, e-fuels) projects due to 2 important factors

98% renewable grid

Norway enjoys the largest share of zero emissions electricity in Europe



With the majority (92%) coming from Hydro power

Thus allowing for a stable baseload, perfect for Green H₂ production



Norway is Europe biggest electricity exporter (10-15 TWh net p.a.)

A strong rationale for producing green hydrogen inhouse

Strong governmental backing



Clear **national H₂ strategy** to focus on large scale H₂ production



Strong **bilateral ties** with the EU, Japan and North America



Coherent **incentive package**

Exemption of consumer tax (€ 0.014/kWh) for electrolysis

Carbon tax increased to from €60 to €200/ton CO₂ tax by 2030

A strong focus on e-fuels and the maritime sector



The maritime sector is at the heart of the green hydrogen strategy of Norway, which aims to become a net-zero shipping champion

Production Grant

~€70mn funded by State-run ENOVA to kickstart 5 hydrogen hub projects across Norway by 2025

Technology push

~€70mn funded by State-run ENOVA for the construction of ammonia bulk & container vessels



Green Corridors

Agreement with Nordics countries for emissions-free shipping between ports in the region

Ambitious local targets

Norway also aims to run only emission-free ferries in the fjords by 2026

→ **Will biogenic CO₂ (necessary feedstock for methanol production) be an issue for e-fuels production in Norway?**



The Nordic countries have a reserve of more than **60 mn ton** of biogenic CO₂ (*more than the rest of Europe combined*), a part of which could be utilised for e-fuel production

The ideal position for export to the EU



The EU is counting on import of green products in order to meet its **binding targets** of renewable hydrogen and derivatives consumptions

Due to its proximity and existing/planned infrastructure, **Norway is an obvious export candidate**, and tries to establish itself as a market leader

