

Nordic activities and intensified co-operation

Herkko Plit

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P2X Solutions: Forerunner of green hydrogen and power-to-x production

Privately held Finnish company established in 2020 by worldclass business developers and energy experts

Producer and distributor of green hydrogen and e-fuels (e-methane, e-methanol and e-ammonia)

First plant operational in 2024, 1 GW of electrolysis capacity by 2031

Awarded as one of the most promising startups in **Finland**

Customers in industry & transport in Finland and abroad







We are scaling up our hydrogen and e-fuel production systematically to 1 GW by 2031 to enable the green transition of our industrial and mobility customers.





We will be able to deliver green hydrogen and synthetic methane already in summer 2024.







Largest challenges in energy sector

Distribution



Storage



Political momemtum



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European Hy**d**rogen Forum



#euhydrogenforum







Carbon will have price



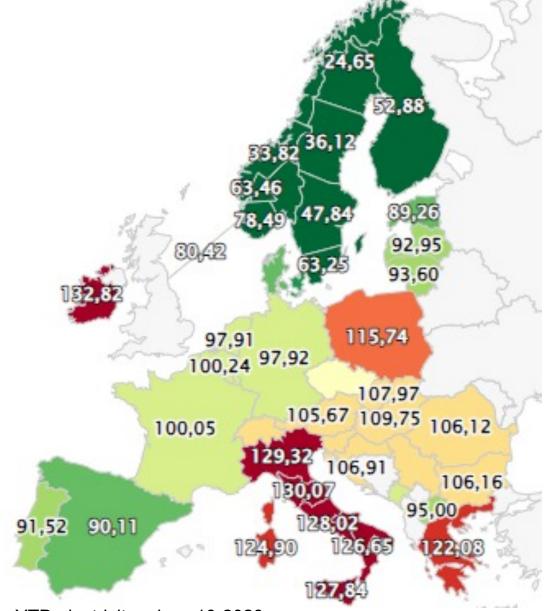
Source: Data provided by ICE (via Montel); due to licensing this data is not available for download EU & UK Emissions Trading Scheme prices (December contract)





Nordics - Favourable location

- Nordic countries are having in general cheapest electrity prices in Europe
- Electricity price covers almost 50% of OPEX of green hydrogen unit









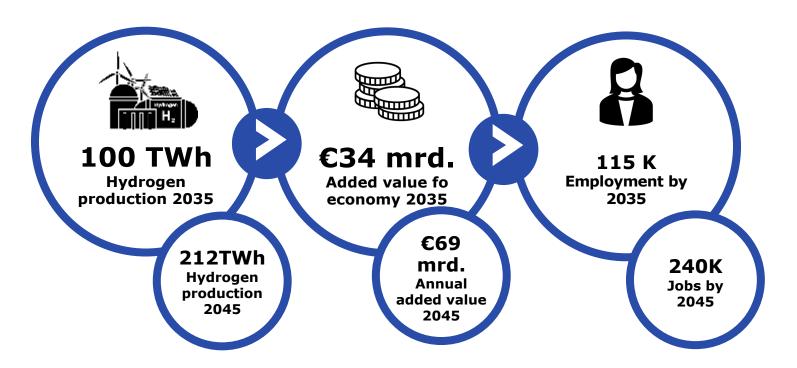


- Announced hydrogen and synthetic fuels production projects: large projects
- Announced hydrogen and synthetic fuels production projects: small projects and projects of unpublished value
- Hydrogen steel production projects
- Infrastructure projects
- Other hydrogen projects
- Baltic Sea Hydrogen Collector (BHC)
- ---- Nordic-Baltic Hydrogen Corridor (NBHC)
- Nordic Hydrogen Route (NHR)

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Finland as Leading Ecosystem on Hydrogen Economy in Europe in 2035

H₂ opportunity and benefits







Nordic success: 1+1 is much more than 2

- Nordic countries are having the best needed resources for Hydrogen Economy
- France and Germany and other European and non-european countries want to become hydrogen giants as well – harsh global competition
- After start of Ukrainian war European self-suffiency on energy crucial – all hydrogen cannot be imported from outside Europe
- Pipeline infrastructure cost effective way of distributing energy
- High value chain also as target steel industry, mobility, hard to abate sector,...
- We need to join our forces to bring critical mass and Nordic voices heard at Brussels and globally
- Main goal: Nordic optimisation instead of local or municipal suboptimisation
 - Thus, greater wins and gains for all regions
 - However, local valleys and initiatives also important







Thank you!



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