



Green Hydrogen
at Work™

Implementation in Europe and Finland's Hydrogen strategy

These projects will strongly support
Finland's decarbonization strategy,
visibility and development.

European Strategy:

- Support the development of green electricity and hydrogen European backbone pipeline
- Strong H2 development plan by 2030 that shows the demand increase planned
 - 10 mt H2/year produced
 - 10 mt H2/year imported

Finnish strategy:

- Contribute to Finland's efforts to become carbon neutral by 2035
- Finland's goal is to become the European leader in the hydrogen economy in the entire value chain.
- Finland has the capacity to produce at 10% of the EU's emissions-free hydrogen in 2030

For more information

plugpower.com/bringing-green-hydrogen-to-finland

plugpower.com



Plug Power Contributes to
Finland's Strategy to Become
the European Leader in
Hydrogen Economy with
Three Green Hydrogen
Production Sites



Plug Power Inc., a leading provider of turnkey hydrogen solutions for the global green hydrogen economy, is planning to invest in the Nordic region of Europe to produce renewable hydrogen. The Company has strategically identified Finland as a prime location to develop at least three production plants – demonstrating our ability to support large-scale projects and be one of the leading green hydrogen producers in Europe. The investment is expected to result in the production of 850 tpd of green hydrogen, or 2.2 GW electrolyzer interconnection by the end of the decade.

This level of production is a strategically important move for the company, as well as for European energy policy.

The three sites will be strategically located in Finland to take advantage of the country's abundant decarbonized and renewable energy sources, such as nuclear, wind and hydroelectric power. Using Plug's PEM electrolyzer and liquefaction technology, the green hydrogen produced at these sites will support the production of e-fuels, ammonia and green steel production (DRI), reducing the dependence on fossil fuels and materially support the decarbonization pathway of Europe.

The investment is expected to create new jobs in Finland and boost the local economy. It will also contribute to Finland's efforts to become carbon neutral by 2035, a goal set by the Finnish government in its Climate and Energy Strategy.



850
tons per day of
green hydrogen

6 mt CO₂
avoided per year

Up to
1,000
direct jobs

3,000
indirect jobs

2.2 GW
electrolyzer
interconnection by
the end of the decade

Kokkola

Electrolysis
Capacity: 1 GW

Green ammonia
+ Green hydrogen

Kristinestad

Electrolysis
Capacity: 1 GW

Green DRI/HBI

Porvoo

Electrolysis
Capacity: 250 MW

Green hydrogen

Kokkola, Finland: This site is expected to generate large-scale liquid hydrogen (85 TPD), and green ammonia (up to 700 kt per year), using 1GW of electrolysis. The liquid hydrogen produced in Kokkola will both support local usage and be exported to western Europe through the Port of Kokkola. The green ammonia produced will be exported through the same port.

Kristinestad, Finland: This site will generate large-scale green hydrogen using 1GW of electrolysis to feed a green steel production (2.0 mt/y of DRI produced) exported through the port of Kristinestad.

Porvoo, Finland: This site will produce up to 100 TPD by 2030. The hydrogen will be used locally, for mobility and pipeline injection.