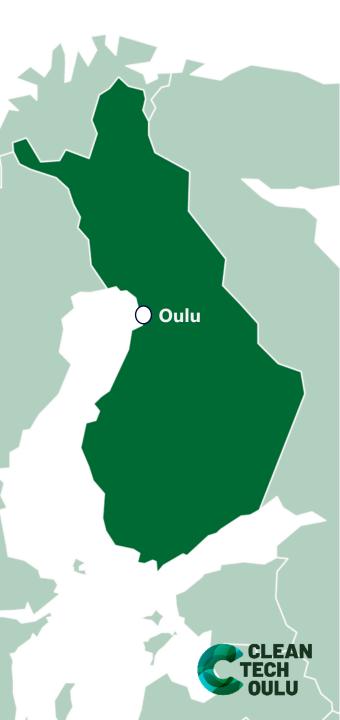


95% of Finland's electricity is fossil-free

- Wind power makes up 20% today and Finland plan to double it by 2030.
- Solar power is growing fast-2 terawatt-hours per year more by 2025.
- Finland could supply 10-15% of Europe's clean hydrogen in the future.



Hydrogen projects in Finland*

First projects to be commissioned during year 2025. Most of the produced hydrogen will be refined into E-fuels or other products and utilised in industry.

~60

>13 000 MW

hydrogen projects planned or already under construction in Finland

power

~30 B€

investments

>1 500 000 t/a

annual H2 production of planned projects

The Nordic Hydrogen Route is an initiative to build a cross-border hydrogen infrastructure in the Bothnian Bay region and an open hydrogen market by 2030. The project has been approved by the European Parliament and the Council for PCI status. Construction will begin 2026.

*Updated: 22.9.2025

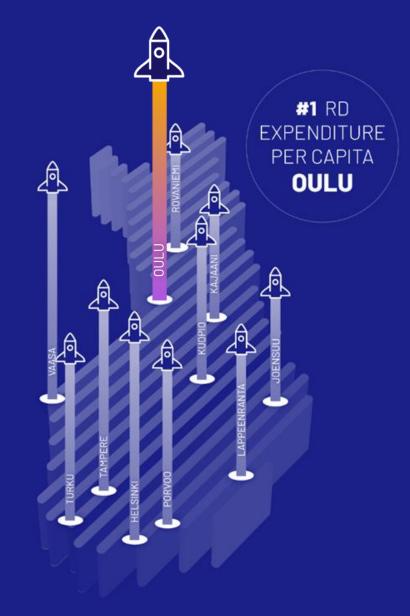


Kemi Simo **GNH** e-Tehdas **Tornio** Rovaniemi Outokumpu VetvAlfa Norwegian Hydrogen Kemijärvi **OULU** Liquid Sun VetvAlfa Oulun Energia + P2X Ranua **Verso Energy** FT Fuels **Abo Energy** Utajärvi VetyAlfa **Energiequelle + NN** Vaala VetyAlfa Nivala **Jyväskylä ABO Energy** Alva Haapavesi Vireon Liquid Wind Kuopio Kanteleen Voima EIT Inno Energy Luoto Mikkeli TE H2 & Aliceco Ren-Gas Kokkola Joensuu Hvcamite P2X Aurelia Turbines Lahti Plug Power Ren-Gas Aliceco Kouvola Vaasa Solvay Chemical EPV Energia Finland Norsk eFuel Kristiinankaupunki Freija AS CPC Finland Plug Power Loviisa Fortum Pori Ren-Gas **Tampere** Hamina **GNE** Ren-Gas STR Tecoil Rauma Kotka Norsk eFuel Ren-Gas Luoto Energia Arctic Sisu Harjavalta Porvoo P2X Plug Power Sastamala **Kerava** Kemira Ren-Gas Espoo Åland Inkoo **Helsinki** GNF Convion Orkla Freija AS LSJH Blastr Liquid Wind Liquid Sun OX2



VALLEY

RDI INVESTMENTS PER CAPITA IN FINLAND 2023



OULU*	3515
Vaasa	2879
Helsinki	2488
Tampere	2351
Finland in average	1506

Euros / capita. Source: Statistics Finland

Share of the investments: 75% private companies 20% universities 5% public sector



Hycamite

We produce low-carbon hydrogen and high-quality carbon products by splitting methane

What sets Hycamite apart?

- Compared to steam methane reforming (SMR), we produce no CO₂ emissions.
- A highly energy-efficient process, utilizing only 13% of the energy needed in electrolysis.
- Carbon is captured in solid form and can be used as high-quality carbon products such as battery-grade graphite.

Benefit 1: Price

Competitive pricing due to two revenue streams, hydrogen and solid carbon. The end user doesn't have to pay a premium on low-carbon hydrogen.

Benefit 2: Life cycle emissions

Our ultra-low carbon hydrogen typically has the smallest carbon footprint, even with natural gas as feedstock, compared to other technologies.

Benefit 3: Products

Customized carbon products and production volumes according to the customer's needs. We produce a wide range of carbon products for various applications.

Batteries





Concrete







Our solution

A plug-and-play solution to decarbonize industries that use natural gas, utilizing existing infrastructure and can benefit from the waste heat of the customer.



Entering industrial scale

We are now commissioning our Customer Sample Facility (CSF), which is the largest methane-splitting plant in Europe. Once fully operational, the plant will produce 2 000 tons of low-carbon hydrogen and 6 000 tons of high-value carbon annually. The plant's annual decarbonization capacity is up to 18 000 tons of CO₂.



2kt

CSFs annual hydrogen production capacity

6 kt

CSF's annual carbon production capacity

70+

Employees in the organization

20+

Years of research behind our technology

Contact us:



Hycamite.com



Hycamite

Hydrogen from the Sun. Anywhere on Earth.

Directly, locally, and emission-free.





Our Technology:

Our photocatalysis-based technology enables off-grid and self-sustaining hydrogen production, providing renewable fuel wherever the sun shines — for industries, societies, and developing regions.

Operational since 2025, early-stage development underway.



Sunlight-powered

Energy from renewable resources: water and sunlight.



Grid-independent

Operates in off-grid locations.



Direct fuel production

Clean H₂ without electricity conversion.



Research-driven

Spin-off from the University of Oulu, grounded in Solar H₂ research.

Let's connect to shape the Sun Age together:

Veera Tapionkaski, CEO

veera@zun-h.com

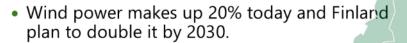
German Companies Already Trust Oulu



energiequelle

TULEVAISUUDEN ENERGIAA

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Who's the next?



Nordic Hydrogen Week is a three-day event featuring science, research, site visits, networking and business – bringing the entire hydrogen value chain together!



B2B Matchmaking & Networking

Site Visits & Research Day

Exhibition & Business Forum

Register & Read more





See the video of 2025 edition