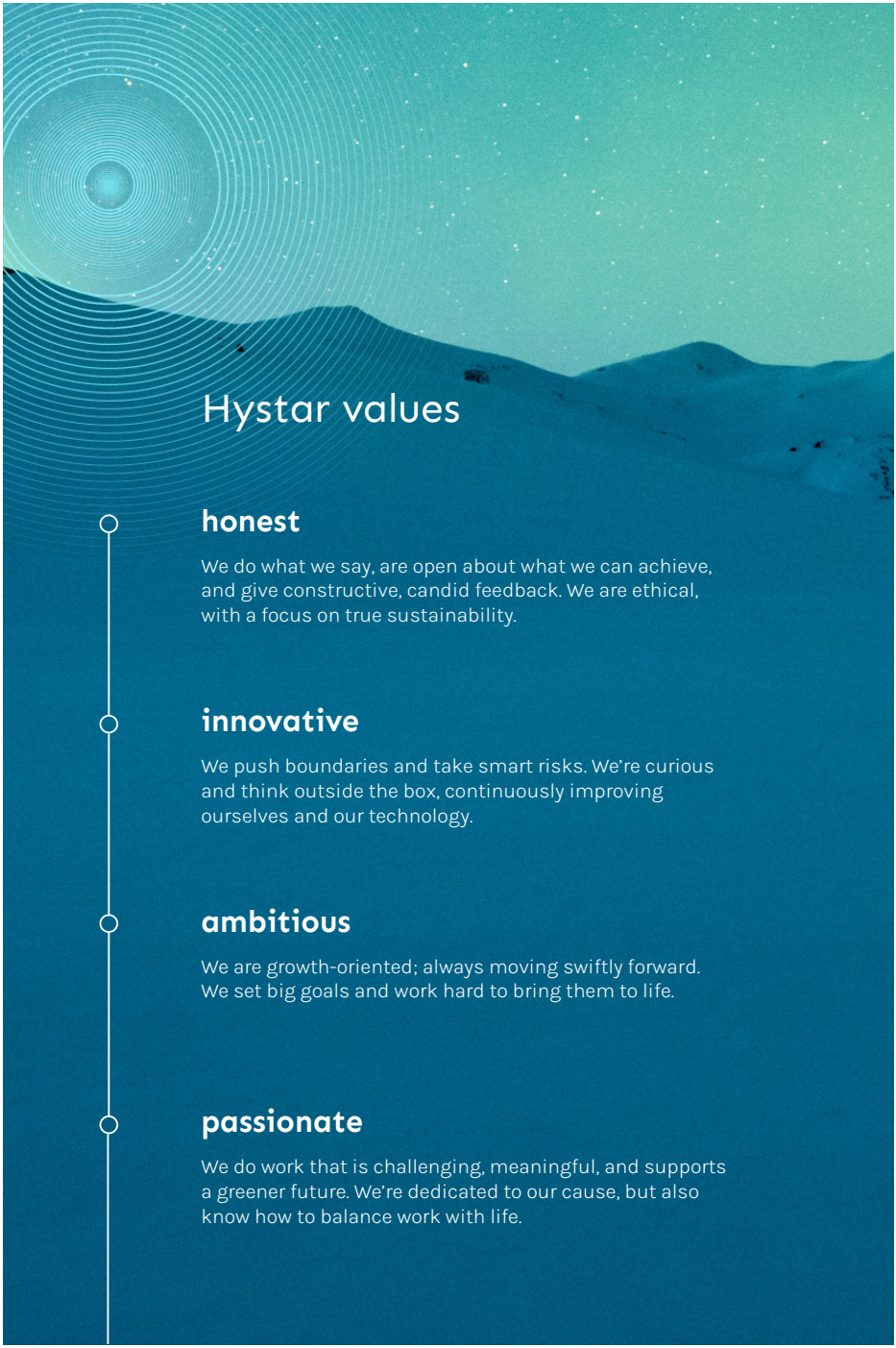
hystar

Hystar's

PEM electrolyser technology



Hystar values

honest

We do what we say, are open about what we can achieve, and give constructive, candid feedback. We are ethical, with a focus on true sustainability.

innovative

We push boundaries and take smart risks. We're curious and think outside the box, continuously improving ourselves and our technology.

ambitious

We are growth-oriented; always moving swiftly forward. We set big goals and work hard to bring them to life.

passionate

We do work that is challenging, meaningful, and supports a greener future. We're dedicated to our cause, but also know how to balance work with life.

Message from the CEO



Hystar delivers advanced PEM electrolysers designed to make green hydrogen production more efficient and cost-effective. The company is built on more than 15 years of research and development conducted at SINTEF, one of Europe's leading research institutes for energy technology. This work resulted in a breakthrough approach to electrolysis developed by co-founders Magnus Thomassen and Alejandro Oyarce Barnett, significantly improving efficiency while reducing system cost.

Today, Hystar has successfully industrialised this technology and is supplying electrolyser solutions to customers across international markets. The company has secured multiple commercial contracts and partnerships, reflecting strong market confidence in its technology and customer support.

Backed by a global group of industrial and financial investors, Hystar is expanding manufacturing capacity and deploying its solutions to enable large-scale hydrogen production.

Our mission is clear: to make green hydrogen affordable and accessible, accelerating the global transition to a cleaner and more sustainable energy system.

Fredrik Mowill

Backed by a global network of investors

APVentures ADVANCE & PIONEER

SINTEF

FIRDA

Mitsubishi Corporation

NIPPON STEEL TRADING

nysnø

finindus

TRUSTBRIDGE

HILLHOUSE CAPITAL

ORLEN VC

KINETICS

MOL Switch

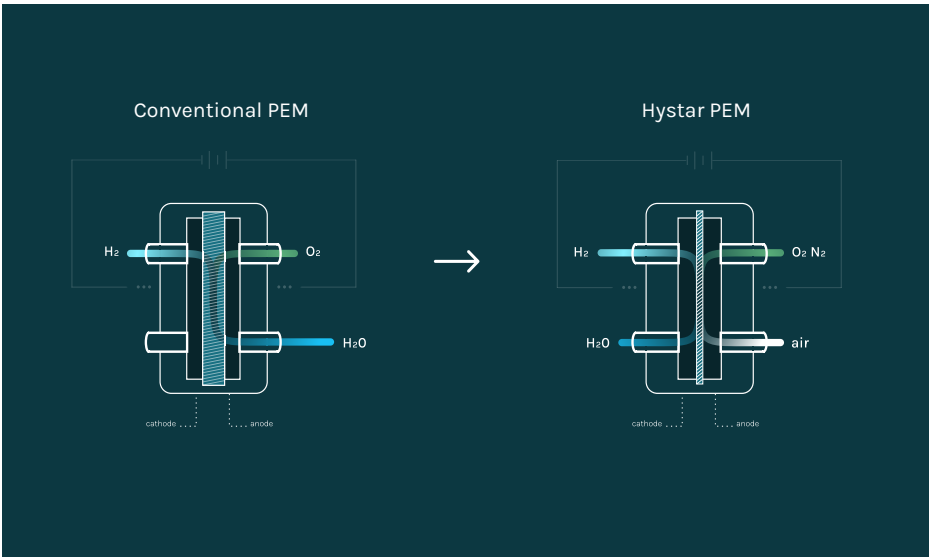
The Hystar difference

The world’s most efficient PEM electrolysers.

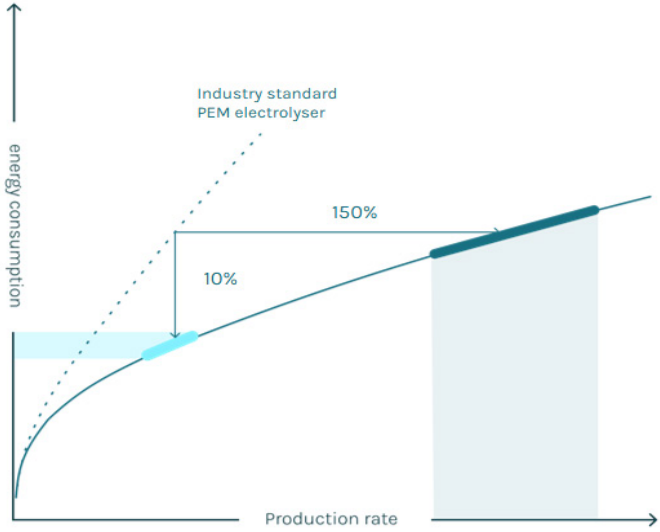
Our patented technology enables the use of thin membranes mass manufactured for the fuel cell industry. This results in high efficiency with superior quality and reliability. Our electrolyser system is designed to ensure reliable and safe operations, with minimal downtime.

Hystar’s simple - yet unique - solution produces more hydrogen per unit area than conventional PEM electrolysers. Requiring less material and with a smaller footprint for every unit of hydrogen produced, Hystar electrolysers dramatically reduce costs of producing green hydrogen, moving the society towards a green, sustainable future.

Hystar's patent



Polarisation curves



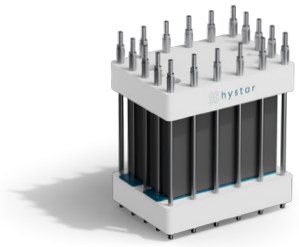


The unique Hystar technology

- Industry leading efficiency throughout the full operating range
- Reliable and safe design - the world's safest H_2-O_2 gas management
- Low-cost manufacturing based on fuel cell suply chain

Product portfolio

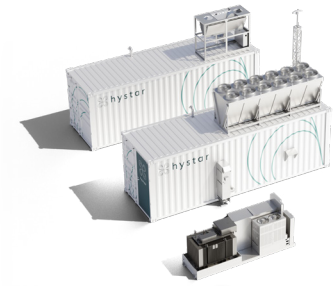
Hystar offers three standard products, ranging from stacks to containerized solutions and modules for large-scale plants.



Eos

47.5 kWh/kg

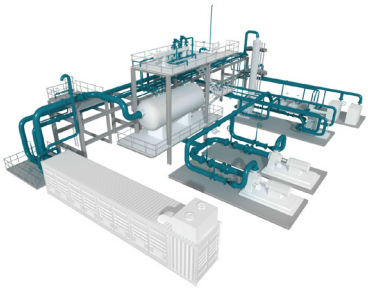
Standard stack module of 550 kW



Vega

Containerized and scalable

Unit capacity of 5 MW



Orion

Cluster for large-scale plants

20 MW

Global Hystar Installations



- Containerized installlation
- Kårstø Gas Processing Plant, Norway

equinor *multiple project partners*



- Containerized installation
- Kalla, Finland

fortum



- Containerized installation
- Nowa Sarzyna, Poland

Polenergia



- Stack sale
- Miryang, South Korea

Techwin 테크윈



- Stack sale
- Boryeong, South Korea

SB선보(주)



- Stack sale
- Undisclosed customer

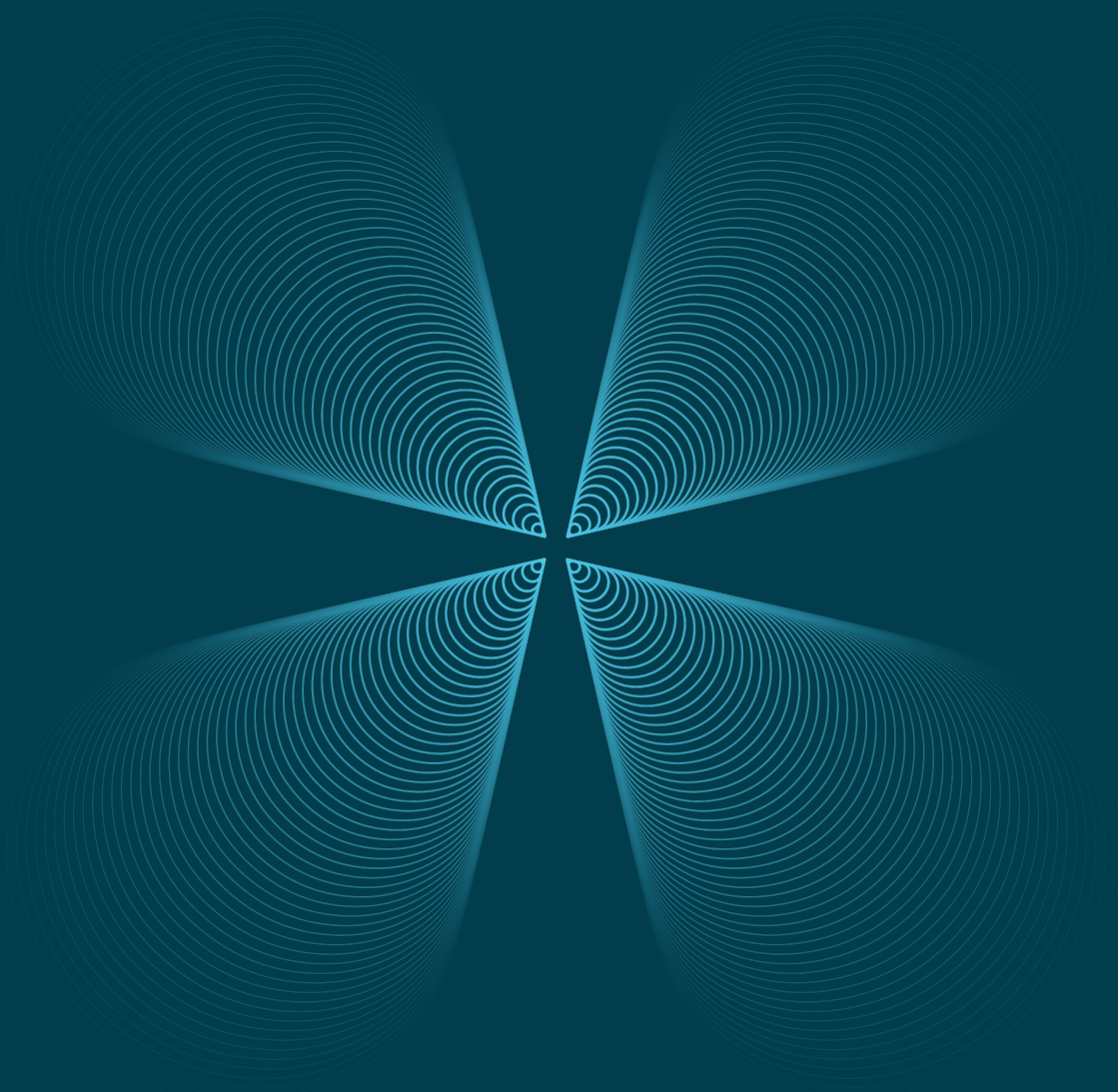


Hystar is headquartered in Høvik, Norway, 10 minutes away from Oslo.

Our facilities include:

- Innovation Centre with production capacity of 100 MW per year
- Automated production facility under construction with initial capacity of 1.5 GW per year

hystar



technology for a greener future ™