

# Hystar as





## Overview

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Where is hystar based?

Norwegian company Hystar is planning to expand its plant in Høvik, near Oslo to a capacity of 4GW a year, up from 50MW today. Electrolysers are used to split hydrogen from water and are in growing demand as countries around the world look to start replacing fossil fuels with hydrogen.

What's in hystar's name?

what's in our name?

At Hystar, we believe that the future of green hydrogen is “written in the stars.” This is because the stars themselves – and in fact, nearly the entire universe, if you add up all the atoms – are made up of mostly hydrogen © 2023 All rights Reserved.

Does hystar have a plant in North America?

The company already operates a small research and production facility at the site, which has 50MW of electrolyser capacity, with first deliveries of actual green hydrogen expected later this year. Hystar also said it would establish a new headquarters in North America next year, with plans for a “multi-GW factory” by 2027.

Who has invested in Hystar?

Hystar is backed by AP Ventures, a significant investor focused on breakthrough technologies in the fast-growing hydrogen industry.

What makes hystar a great electrolyser?

The ultra-efficient design, which is patented and unique to Hystar, boasts a 90% thinner membrane than conventional electrolysers, enabling the production of up to 150% more green hydrogen. Hystar’s patented technology is a game-changer when it comes to tackling hard-to-abate sectors at scale,



such as steel, ammonia, and heavy-duty transportation.

What can hystar do for the world's hard-to-abate industry?

Hystar's patented technology is a game-changer when it comes to tackling hard-to-abate sectors at scale, such as steel, ammonia, and heavy-duty transportation. The global steel industry alone, for example, will require 52 million tonnes of green hydrogen annually to decarbonize by 2050 according to Wood Mackenzie.



## Hystar as

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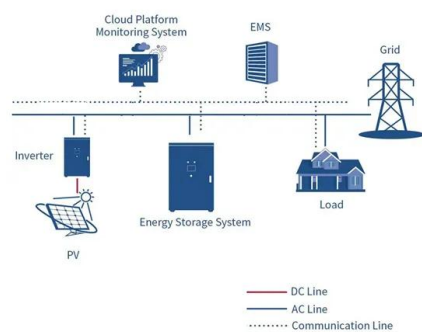


### Responsible sourcing

As a global leader in hydrogen PEM electrolyser technology, Hystar is committed to delivering excellent technology, systems, and services to a quickly expanding market. Executing projects at the right time and in the right way is fundamental to realise our overall strategy, which is why sourcing is such a key aspect to our work.

### Electrolyser firm Hystar to build huge hydrogen factory ...

Norwegian startup Hystar has announced plans to construct a fully automated 4GW electrolyser factory on the outskirts of Oslo, scheduled for completion in 2026.



### Hystar awarded grant for automated industrial production of

Hystar AS (Høvik, Norway) is to receive a EUR26 million grant from the EU Innovation Fund, one of the world's largest funding programs for innovative low-carbon technologies. The grant will be used for the installation and ...

### Hystar raises USD 26mn to scale up to full ...

Hystar AS, the Norwegian high-tech hydrogen company, today announces a Series B funding round of USD 26mn to rapidly scale-up to full commercial operations with an automated GW-



capacity production line by 2025.



### Hystar secures EUR-26m EU grant for automated electrolyser ...

Norwegian hydrogen technology company Hystar AS has been awarded a EUR-26-million (USD 28m) grant from the EU Innovation Fund for the installation and operation of its automated production line for proton exchange membrane (PEM) electrolyser stacks in

### Electrolyser firm Hystar to build 4 GW plant in Norway, sets eyes ...

Norwegian electrolyser company Hystar will build a new factory outside Oslo from next year while also planning to expand into North America to benefit from investment ...



### ABB joins HyPilot project alongside Yara, Equinor, and Gassco

Hystar AS today announces that global technology leader ABB has joined the HyPilot project. ABB is supplying critical power technology to the HyPilot project, consisting of market-leading components that enable precise voltage and current control to simulate





## Home - Hystar

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## Green Hydrogen And Next-Gen Electrolyzers: Hystar's CEO

Hystar's Electrolyser Hystar He believes that tech development will be the key for the future of Norway and its green transition: "[In Norway] we need to promote advanced industrial companies



## Yara Tests Hystar's PEM Electrolyser for Efficient Green ...

Hystar AS has announced that Yara Clean Ammonia has joined the HyPilot project, which will conduct the first in-field test of Hystar's 1 MW containerized PEM electrolyser. The electrolyser will be commissioned in the second half of 2023 at the Kårstø Gas Processing Plant in Rogaland, Norway, operated by Gassco.



## Hystar to expand electrolyser factory as it seeks to ...

Hystar makes proton exchange membrane electrolyzers, which are considered well-suited to use with intermittent sources of electricity such as wind and solar power, as they can respond more



### Hystar AS

Company profile page for Hystar AS including stock price, company news, executives, board members, and contact information Skip To Content Skip to content Bloomberg the Company & Its Products The



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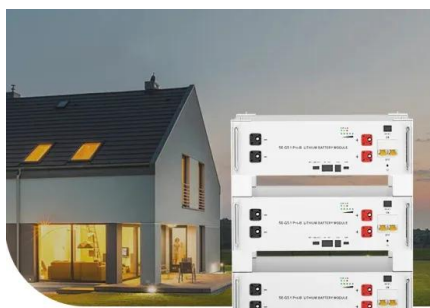
### Hystar to expand electrolyser factory as it seeks to ...

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### Hystar announces 4 GW factory and North American expansion ...

Hystar AS announces a fully automated 4 GW electrolyser factory in Høvik, Norway (just west of Oslo), that will be delivered in 2025, with construction commencing in early 2024. Furthermore, the high-tech company is expanding into North America, establishing a



**Low Voltage Lithium Battery**  
6000+ Cycle Life



## Hystar to Receive EUR26 Million Grant From EU Innovation Fund

Hystar AS is to receive a EUR26 mn grant from the EU Innovation Fund, one of the world's largest funding programmes for innovative low-carbon technologies. The grant will be used for the installation and operation of Hystar's automated GW production line for its



### how to become a supplier

Provide Hystar with a sustainable advantage, whether it is technical, commercial or qualitative. The commitment and performance of our suppliers are key drivers of Hystar's success, contributing to our sustained position as market leader with a unique offer.

### Celebrating our growth

Here, Hystar's CTO, Alejandro Barnett, led the charge on testing and commercial qualification of our game-changing technology. A focus on growth. By the time Hystar turned one, the company had grown to 10 employees, with Senior Systems Engineer, Eddy van Oort, the latest addition to the team.



### A sustainable career

Hystar is an innovative, fast growing, high-tech company, based at Høvik, just outside Oslo, Norway. At Hystar, you will have the opportunity to help shape the future of the company as well as develop your own career.



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??HYSTAR AS  
(?:????????????CEO: Fredrik MOWILL?????????)



### technology

Our systems utilize Hystar's patented PEM technology concepts, providing major steps towards making green hydrogen production more accessible for a multitude of... Our systems utilize Hystar's patented PEM technology concepts, ...

### A year in review

With the holidays approaching, Hystar's CMCO, Leila Asdal Danielsen, sat down with CEO Fredrik Mowill to get his take on 2023 and what we can expect from Hystar in the times ahead. If you've been following Hystar throughout 2023, you'll know there have been a number of big announcements, kicking off with our Series B funding announcement in January.



### [HANNOVER MESSE Exhibitor 2024: Hystar](#)

Hystar is an Oslo, Norway-based, high-tech company specializing in proton exchange membrane (PEM) electrolyzers for the production of green hydrogen from water electrolysis. With the world's safest and most efficient PEM electrolyser, producing up to ...



[Enova-millioner til ny hydrogenløsning](#)

SINTEF-spinoffen Hystar har utviklet en unik, patentert elektrolyseteknologi som vil gjøre produksjon av grønt hydrogen billigere. Nå får de 38,2 millioner i støtte fra Enova. Komplette pilotanlegg i samarbeid med SINTEF har Hystars teknologi blitt verifisert over flere



**Mouse Pads**

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**We've moved!**

Hystar has moved to a new location in the Oslo area... From the beginning of December, 2021, Hystar has officially taken up residence at DNV's Høvik campus, just outside Oslo. Our new location will give us the opportunity to grow and, coming next year, expand



**Ali Khan**

Hystar is an innovative, fast growing, high-tech company, based at Høvik, just outside Oslo, Norway. At Hystar, you will have the opportunity to help shape the future of the company as well as develop your own career. Founded in 2020 Career site Let's recruit



### Hystar AS raises about \$6 M to develop and commercialize its ...

Hystar, a Norwegian company that has developed a novel PEM electrolysis technology, has raised over NOK 50mm in capital. Hystar's electrolyser produces green hydrogen using less energy than existing technologies and enables a substantial increase in hydrogen production output.

TAX FREE

**Product Model**  
HJ-ESS-215A(100KW/215KWh)  
HJ-ESS-115A(50KW 115KWh)

**Dimensions**  
1600\*1280\*2200mm  
1600\*1200\*2000mm

**Rated Battery Capacity**  
215KWH/115KWH

**Battery Cooling Method**  
Air Cooled/Liquid Cooled



### Hystar raises \$26m as it looks to scale up to full ...

Norwegian PEM electrolyser manufacturer Hystar has today (January 11) announced a Series B funding round of \$26m to rapidly scale up to full commercial operations with automated gigawatt-capacity production by ...

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