

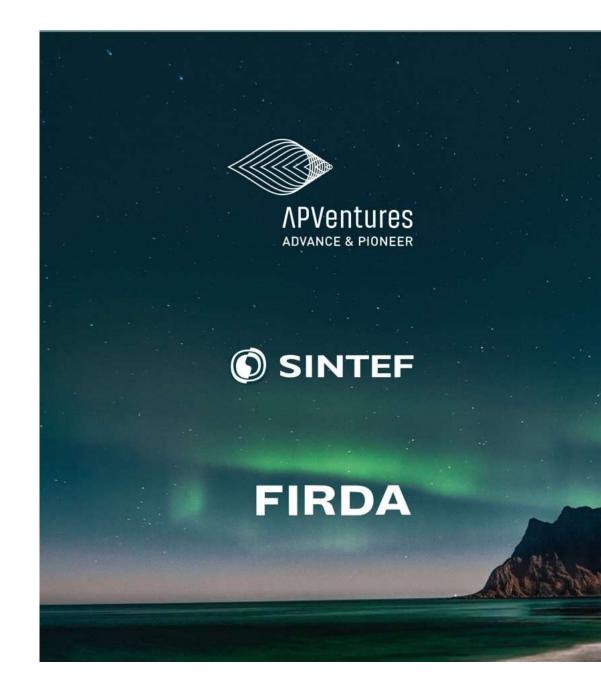
Executive summary

- Patented solution provides superior efficiency
- Available, high volume manufacturing processes
- GW scale production capacity in 2025
- Awarded 1 MW pilot project with Equinor/Yara/Gassco

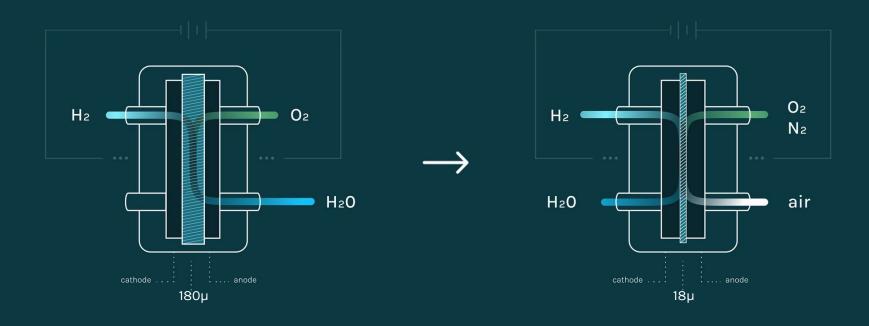


Hystar founded based on 15 years of R&D

- Founded in September 2020 as a spin-off from SINTEF
- Based on 15 years of PEM electrolyser research
- Key investors:
 - AP Ventures, SINTEF, Firda
- Three co-founders:
 - Fredrik Mowill
 - Magnus Thomassen
 - Alejandro Barnett



Hystar patented solution enables use of thin membranes for increased efficiency



Conventional PEM electrolyser

- \checkmark Water (H₂0) is split into 0₂ and H₂ by adding **electricity**
- √ Thick membranes account for majority of stack losses
- √ Thinner membranes will increase explosion risk

Hystar PEM electrolyser

- √ Thin membranes provide game-changing efficiency
- √ Air circulation on anode side improves safety
- \checkmark Designed and optimized for mass manufacturing



Contract awarded for pilot project in 2023

- Funding from Norwegian government (Enova)
- Customer partners: Equinor, Yara, Gassco
- Total grant funding MNOK 38
- 1 MW installation
- Commissioning Q4 2023
- Equinor gas processing plant- Kårstø, Norway



Hystar facilities include HQ, R&D and production

We are headquartered at Høvik, by the beautiful Oslo fjord.

- 1. HQ and offices
- 2. R&D/test/pre-production
- 3. GW automated production facility

