



Enapter

First AI-controlled and Iridium-free hydrogen production - fully scalable for a green future

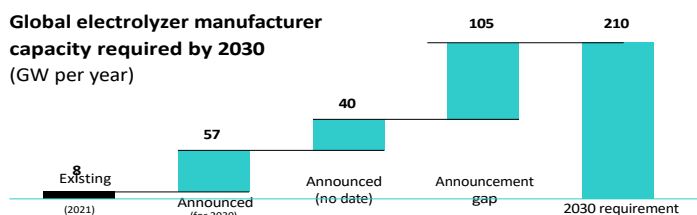
Enapter AG is a pioneer and market leader for AEM electrolyzers. Launched in 2017, Enapter has quickly developed into a pioneering company for green hydrogen. More than 15,000 hydrogen-generating units - known as cores - are now producing green hydrogen for over 375 customers in over 55 countries worldwide, bundled in electrolyzers of various sizes. Whether for energy storage, off-grid applications, residential construction, refueling systems, process heat or for industrial companies for the direct use of green hydrogen - in literally hundreds of different applications, Enapter's AEM electrolyzers produce exactly the desired amount of H₂ that is needed. The patented AEM technology allows the compact core of the electrolyzers to be standardized and mass-produced: Freely scalable from 100 KW to several megawatts. Maximum flexibility, coupled with a unique control AI that constantly learns and improves every device in the running application on a daily basis, make Enapter and its AEM technology unique.

Advantages of AEM technology

- Patent-protected AEM technology - highly efficient thanks to scalable system design
- World's first AI-supported control software for electrolyzers guarantees optimum production conditions for all users
- Sustainable and future-proof: electrolyzers are iridium-free.
- Robust construction: Easy integration and use in all climatic conditions
- Hydrogen is supplied directly with up to 99.999 % purity and under high outlet pressure (35 bar)
- Ideal for use with renewable energy sources, as hydrogen production adapts dynamically to the fluctuating energy input

Significant expansion of global electrolyzer production capacity required

Global electrolyzer manufacturer capacity required by 2030
(GW per year)



Source: Deloitte analysis based on International Energy Agency; the 2030 requirement is a low estimate based on linear deployment in the coming decade.

- Global production capacities for electrolyzers to increase more than 25-fold to over 200 GW per year by 2030 to achieve climate neutrality targets for green hydrogen
- Store surplus sensibly: Global PV production capacities should increase from 250 GW per year by 2030 (2021) increase to 800 GW per year
- No dependence on critical raw materials such as iridium, which would slow down or increase the cost of future expansion

From small to large: the right solution for every application - AI-controlled and Iridium-free



AEM EL 4 electrolyzer
Freely scalable compact electrolyzer

- Modular use, quick to retrofit
- Quick and easy installation
- Ideal for on-site hydrogen production
- Low maintenance effort

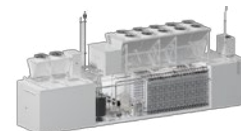
Production rate	1.0785 kg/24h
Dimensions	W: 48.2 cm D: 63.5 cm H: 26.6 cm
Weight	42 kg



AEM Flex 120 Scalable
answer in the industrial sector

- High redundancy: individual stacks can be changed during operation
- Automated and remote-controlled operation with EMS control software
- Ideal for on-site hydrogen production
- Low maintenance effort

Stacks	50
Production rate	53.9 kg/24h
Dimensions	L: 3.2 m W: 2.5 m H: 3 m
Weight	3,700 kg

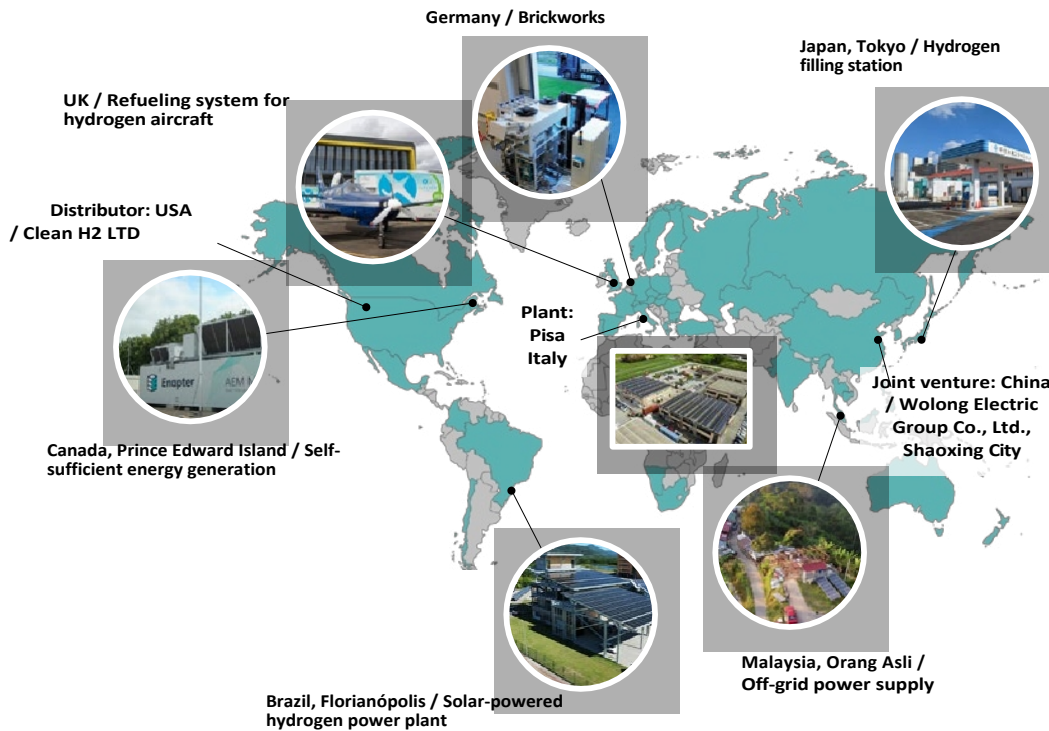


AEM Nexus
Megawatt class

- World's first AEM megawatt electrolyzer
- High degree of redundancy
- Flexible start-up & shutdown
- Can be coupled with battery storage

Stacks	420
Production rate	450 kg/24h
Dimensions	L: 16 m x W: 3 m x H: 7.3 m
Weight of	approx. 40 t

Application examples of Enapter electrolyzers



Management



Dr. Jürgen Laakmann / CEO

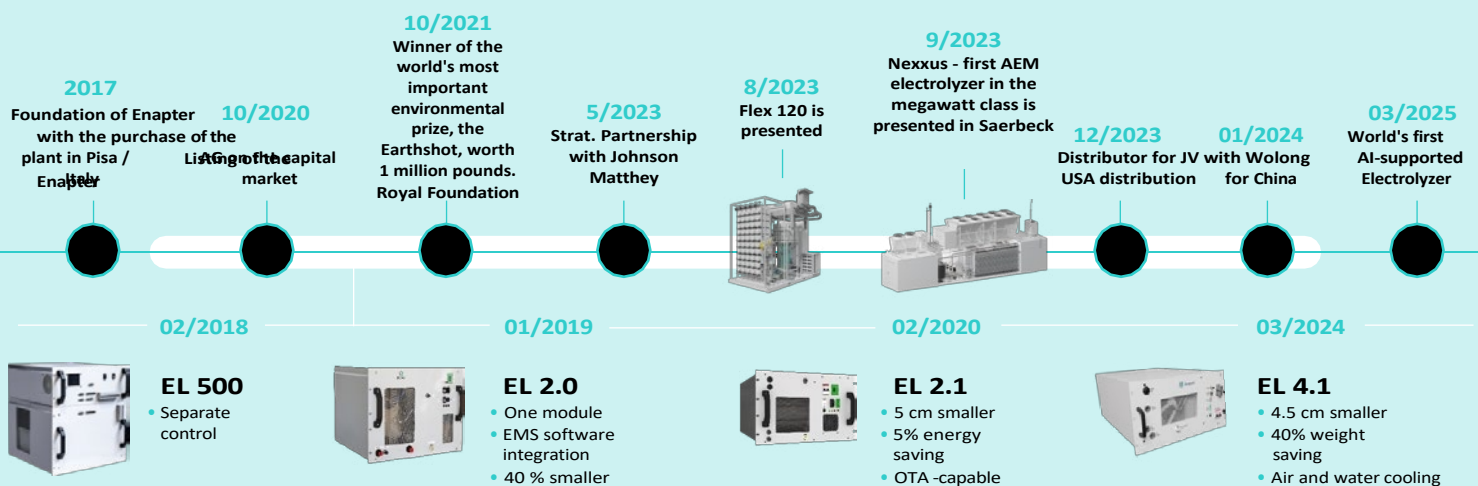


Gerrit Kaufhold / CFO



Ivan Gruber / CTO

From start-up to broad-based global market leader for AEM electrolyzers



About the share

Enapter AG

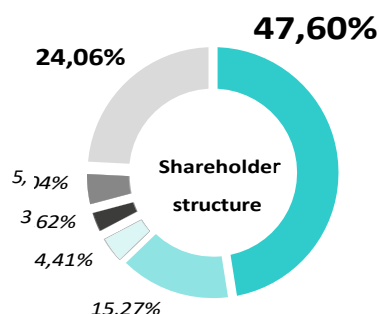
ISIN: DE000A255G02

market segment: Regulated

Stock exchanges: Frankfurt/Hamburg

Number of shares: 29.1 million

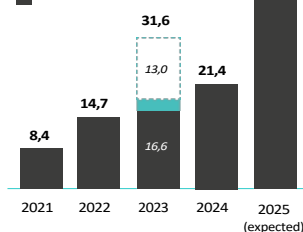
- Blugreen Company Ltd. Svelland
- Global Trading Fund Sergei Storozhenko
- Johnson Matthey
- Morgan Stanley Other
- shareholders



The figures: Significant growth continues

Sales growth in million euros

US licenses (outstanding) US licenses (received) Product sales



Units sold (in MW)

Single Core Multicore

