



# Enapter

## CORPORATE NEWS

### Enapter AG expands product portfolio with new multicore electrolyzer "Nexus 2500"

- ≡ Nexus 2500 has an output of 2.5 megawatts
- ≡ Compatible with all Enapter multicore electrolyzers through Enapter's AI software
- ≡ Opening up new markets for large-scale industrial plants for green hydrogen production
- ≡ Nexus 2500 now available for pre-order

**Hamburg, July 2, 2025** - Another important milestone for Enapter AG (ISIN: DE000A255G02): The company is expanding its product portfolio with a 2.5 MW multicore electrolyzer based on the use of new stacks in the same size - 40 foot containers - as Enapter's current 1 MW multicore electrolyzer. Of course, the Nexus 2500 is fully compatible with all Enapter multicore electrolyzers. Existing customers can therefore combine any of the now extended Enapter product range to expand their systems. In addition to the proven form in a 40-foot container, the Nexus 2,500 is also available as a skid-mounted version for indoor installation. Hall installations are more efficient than individual containers, especially for multi-megawatt projects.

With the new Nexus 2500 multicore electrolyser, Enapter is opening up new markets and customer groups for large-scale hydrogen-producing systems on an industrial scale. The electrolyzer can be used, for example, in steel and ammonia production as well as in refueling systems for heavy goods vehicles. Another area of application is the storage of surplus energy from solar and wind parks in the multi-megawatt range.

The Nexus 2500 produces over a ton of green hydrogen with a purity of 99.999 percent within 24 hours. Enapter's unique modular process for increasing the efficiency of the electrolyzers is of course also used in the Nexus 2500. Each of the 100 or so stacks installed can be ramped up or down independently to make optimum use of the power from renewable energy sources. This makes the Enapter multicore electrolyzers particularly interesting for hydrogen production from fluctuating energy sources such as solar and wind, where power generation can fluctuate greatly over the course of the day due to climatic influences. Like all Enapter multicore electrolyzers, the Nexus 2500 is controlled by Enapter's very latest AI software. The artificial intelligence developed in-house analyzes the data from the measuring sensors installed in the electrolyser, which record temperature, pressure and power consumption at various points. The artificial intelligence controls the device in real time and can intervene where necessary, enabling an improved energy flow and further increasing the efficiency of the device.

The Nexus 2500 can now be pre-ordered. First deliveries are planned for the end of 2026.

Dr. Jürgen Laakmann, CEO of Enapter: "After more than 18 months of development, I am delighted that we are now adding another multicore electrolyser to our product portfolio. The Nexus 2500 delivers 2.5 times the output of our current Nexus 1000 megawatt electrolyser in the same size. This is possible thanks to the use of new, larger stacks. For large-scale projects in the multi-megawatt

range, space is just as important as efficiency. And with the Nexus 2500 as a container or skid-mounted version, we are now in a position to offer our highly efficient electrolyser technology in these projects, too, using the modular principle that is common in adapters. And thanks to our own software with artificial intelligence, the new electrolyser can be seamlessly integrated not only into all Enapter multicore electrolyzers, but also into existing projects from a wide range of manufacturers."

## **About Enapter**

Enapter is market leader in the field of AEM electrolyzers - innovative devices that produce green hydrogen. The company's patented and proven anion exchange membrane (AEM) technology eliminates the need for expensive and rare raw materials such as iridium and enables maximum yield from fluctuating renewable energies such as solar and wind through a unique modular design, resulting in highly efficient production of green hydrogen. Thousands of Enapter AEM electrolyzers are already in use by more than 360 customers in more than 55 countries in the fields of energy storage, industrial applications, refueling, power-to-X and research. The Enapter Group is headquartered in Germany with a research and production site in Italy and a joint venture with the Wolong Group in China.

Enapter AG (H2O) is listed on the regulated market of the Frankfurt and Hamburg stock exchanges, ISIN: DE000A255G02.

## **Further information:**

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