



Enapter

PRESS RELEASE

Enapter first electrolyser maker to run OPC UA standard on its devices

- *The OPC UA software integration will enable easy deployment of Enapter's green hydrogen generators for Industry 4.0 environments.*
- *Existing users of systems & devices running OPC UA assured of digital interoperability*
- *Open-source contribution broadens potential for use of other energy tech in OPC UA*

Berlin, September 13, 2022. Enapter AG (ISIN:DE000A255G02) has become the first electrolyser producer running the popular OPC UA communication standard on its electrolysers. OPC UA – Open Platform Communications Unified Architecture – is one of the world's most important communication standards for industrial automation and Industry 4.0.

Known by some as “the global production language”, OPC UA enables improved data communication and interoperability between devices and systems in many industries. By joining the OPC Foundation behind the standard and becoming the first electrolyser producer to use OPC UA on its electrolysers, Enapter has opened up even easier deployment of its green hydrogen generators for solutions ranging from energy self-sufficiency to green gas production.

“Alongside the OPC UA Foundation, we wanted to make it even easier for today's industry leaders who are using systems and devices running OPC UA to transition to green hydrogen. We believe that assuring the digital interoperability of our electrolysers will accelerate industry's adoption of green hydrogen,” says Sebastian-Justus Schmidt, Founder and CEO of Enapter.

Enapter is the world leader in AEM Electrolyser technology, with its green hydrogen generators used in diverse applications in more than 50 countries. It is currently building the Enapter Campus mass production and R&D site in Saerbeck, Germany, where it also intends to use OPC UA for standardised and secure communication between production line devices.

While its EL 4.0 Electrolysers running OPC UA will be able to enable easy and secure integration with 3rd party Energy Management Systems, Enapter also offers users its own Energy Management System Toolkit for integration and control of Enapter and 3rd party devices.

“As industries increasingly undergo both digitalization and decarbonization, the certification of Enapter's electrolysers for OPC UA is a clear signal of confidence for those wanting a reliable solution for integrating green hydrogen production into their systems,” says Stefan Hoppe, President OPC Foundation.

Enapter's work with OPC UA started around six months ago, in parallel with the foundation of the working group developing the OPC UA interface standard for energy devices and systems. The pioneering use of OPC UA in electrolysers is also an expansion of Enapter's open-source software focus, with some of its information model additions around green hydrogen systems also proposed to be added to the standard OPC UA information models – a development that could broaden the potential for integration of other energy transition assets within OPC UA.

About Enapter

Enapter is an innovative energy technology company that manufactures highly efficient hydrogen generators – known as electrolyzers – to replace fossil fuels and thus drive the global energy transition. Their patented and proven Anion Exchange Membrane (AEM) technology enables the mass production of cost-effective plug-&-play electrolyzers for green hydrogen production at any scale. Their modular systems are already used in 52 countries across the energy, mobility, industrial, heating and telecommunications sectors. Enapter has its main offices in Italy and Germany.

Enapter AG is listed on the regulated market of the Frankfurt and Hamburg stock exchanges, WKN: A255G0.

Further information:

Website: www.enapter.com

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About the OPC Foundation

Since 1996, the OPC Foundation has facilitated the development and adoption of the OPC information exchange standards. As both advocate and custodian of these specifications, the Foundation's mission is to help industry vendors, end-users, and software developers maintain interoperability in their manufacturing and automation assets. The OPC Foundation provides the best specifications, technology, process, and certification to achieve multivendor, multiplatform, secure, reliable, interoperability for moving data and information from the embedded world to the enterprise cloud. The Foundation serves over 890 members worldwide in the Industrial Automation, IT, IoT, IIoT, M2M, Industry 4.0, Building Automation, machine tools, pharmaceutical, petrochemical, and Smart Energy sectors.

For more information, please visit www.opcfoundation.org

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