*Rittal and Eplan at Hannover Messe 2022*

*From 30 May to 02 June 2022*

*Hall 11, Booth E06*

Rittal and Eplan: Energy & Power Solutions

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Pioneering solutions for the energy transition

**The transformation of energy systems requires time and cost-saving value creation processes along with standardised and industry-tested systems. At Hanover Trade Fair 2022, Rittal and Eplan will be providing specific and practical examples that show how the engineering and installation of systems can be significantly accelerated and how project developers can benefit from improved cost efficiency. Solutions for e-charging infrastructures, energy storage, photovoltaic systems or hydrogen systems will be presented.**

Herborn/Monheim, 02 June 2022 – How do we set about achieving the energy transition quickly and smartly? Eplan and Rittal will provide answers to this question at Hanover Trade Fair 2022. In energy generation, transmission, storage and consumption, the sister companies are presenting the latest solutions for every sector of the energy industry so that the implementation of the energy transition saves time and costs. “The pressure on plant constructors has increased immensely. As a result, there is a demand for standardised, industry-tested, modular solutions that ensure maximum efficiency,” says Jan Oliver Kammesheidt, Vertical Market Manager Energy at Eplan.

“Rittal and Eplan support customers along the entire value chain, from engineering and semi-automated plant construction to plant operation. This is the way we are actively shaping the transformation of energy supply together,” adds Raphael Görner, Executive Vice President of Rittal’s Global Energy and Power Solutions Business Unit.

**Engineering platform for the entire energy supply chain**

Eplan offers the right engineering tools for planning, building and operating energy systems. Whether on the generation side, e.g. for wind turbines and PV parks, for power transmission and distribution in substations or for power distribution for industrial plants.

**Modular, autonomous energy systems**

The highlights at the trade fair booth include the **new battery storage system from Tesvolt**, installed in a Rittal VX25 enclosure system. Together, Tesvolt and Rittal have redeveloped their approach to climate control.

A complete energy supply system with **hydrogen technology** from **H2 Core Systems** is also implemented in a VX25 enclosure system. The modularly configurable system combines water electrolysis and fuel cells in one unit. Connecting an external hydrogen storage unit creates a self-sufficient energy system for short and long-term energy storage. It can be integrated into all existing photovoltaic, wind, or hydropower plants.

**Setting up a charging infrastructure quickly and safely**

With regard to charging infrastructure, Rittal and Eplan will be showing how new charging parks can be planned and built quickly and efficiently. The interaction between Eplan and Rittal also ensures durability and high availability during the operating phase. Eplan provides the appropriate engineering tools and enables cloud-based collaboration between operators and its supply partners throughout the lifecycle. Rittal supplies standardised, reliable and quickly implemented system technology to support the mobility revolution. It offers suitable enclosure, climate control, and power distribution technology with a pre-designed system to set up charging parks. Rittal is presenting a back-end solution for a **bus charging infrastructure** with an example from its client **SBRS**, which is developing and commissioning fast chargers with a 150 kW output for e-buses.

In Zillmer’s **ezy charge AC**, a solution is presented directly for the charging point that relies entirely on the standardised Rittal AX enclosure series for efficient expansion. Moreover, Eplan and Rittal are using a demonstration project with the **Lübeck University of Applied Sciences** to demonstrate how a charging park’s local distribution network, including charging stations and energy storage devices, can be efficiently planned using Eplan software. EPLAN Cloud is deployed to manage all engineering steps, ranging from the initial project design through engineering to maintenance processes during later operation. This shows how mains connection and inverter technology can be put into operation quickly and safely with Rittal enclosure and climate control solutions.

**Secure and flexible**

In addition to generation, transmission and consumption infrastructure, Rittal presents solutions for flexible and safe power distribution: RiLine, the busbar system, and VX 25 Ri4Power, the design-tested switchgear and energy distribution system. Ri4Power – based on the VX25 platform – delivers the ability to handle higher rated currents while taking up as little space as possible. What is more, the 6300-A VX25 Ri4Power switchgear system with active and passive arc fault protection from Rittal boasts numerous advantages, such as a higher current carrying capacity with the same bar cross-section and its certification for maritime use.

**Rittal ePOCKET – the digital wiring plan pocket**

The sister companies are also presenting Rittal ePOCKET – the digital wiring plan pocket. A QR code on the enclosure permits access to the complete equipment and system documentation, including the digital twin in EPLAN Cloud, which is always up-to-date over the entire service life. Service and maintenance staff can directly access the wiring plans right on the system with a smartphone or tablet. This ensures quick troubleshooting in the event of repairs and maintenance.

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**Caption(s)**

Image 1 (fri22203100.jpg): In energy generation, transmission, storage and consumption, Eplan and Rittal are presenting the latest solutions for every sector of the energy industry so that implementation saves time and costs.

Image 2 (fri22203200.jpg): “The pressure on plant constructors has increased immensely. As a result, there is a demand for standardised, industry-tested, modular solutions that ensure maximum efficiency,” says Jan Oliver Kammesheidt, Vertical Market Manager Energy at Eplan.

Image 3 (fri211867110.jpg): “Rittal and Eplan support customers along the entire value chain, from engineering and semi-automated plant construction to plant operation. This is the way we are actively shaping the transformation of energy supply together,” says Raphael Görner, Executive Vice President of Rittal’s Global Energy and Power Solutions Business Unit.

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**About Rittal**

Rittal, headquartered in Herborn, Germany, is a leading global provider of solutions for industrial enclosures, power distribution, climate control and IT infrastructure, as well as software and services. Systems made by Rittal are deployed in over 90 per cent of all industries across the world, including machine building and plant engineering, food and beverages, and IT and telecommunications.

The international market leader’s product portfolio includes configurable enclosures, with data available across the entire production process. Smart Rittal cooling systems, with up to 75 per cent lower power and a great carbon advantage can communicate with the production landscape, enabling predictive maintenance and servicing. The offering also includes innovative IT products, from IT racks and modular data centres, to edge and hyperscale computing solutions.

Leading software providers Eplan and Cideon support the value chain, providing interdisciplinary engineering solutions, while Rittal Automation Systems offers solutions for switchgear. Within Germany, Rittal can supply products on demand within 24 hours – with precision, flexibility and efficiency.

Founded in 1961, Rittal is the largest company in the owner-operated Friedhelm Loh Group. The Friedhelm Loh Group is active worldwide, with 12 production sites and 94 international subsidiaries. It has 11,600 employees and posted revenues of Euro 2.6 billion in fiscal 2019. In 2022, the family-run business was named one of Germany’s leading employers by the Top Employers Institute, for the 14th year running. A Germany-wide survey by Focus Money magazine named Friedhelm Loh Group as one of the nation’s top companies in terms of vocational training for the fifth year running in 2021. In 2022, Rittal was awarded the Top 100 Seal as one of Germany’s most innovative medium-sized companies.

For more information, visit www.rittal.com and www.friedhelm-loh-group.com.

**About EPLAN**

EPLAN provides software and service solutions in the fields of electrical, automation and mechatronic engineering. The company develops one of the world’s leading design software solutions for machine and panel builders. EPLAN is also the ideal partner to streamline challenging engineering processes.

Both standardised as well as customised interfaces to ERP and PLM/PDM systems ensure data consistency along the whole value chain. Working with EPLAN means boundless communication across all engineering disciplines. No matter whether small or large enterprises: Customers can apply their expertise more efficiently. EPLAN wants to grow further with customers and partners and pushes integration and automation in engineering forward. Worldwide, EPLAN supports over 58,000 customers. „Efficient engineering“ is the focus.

EPLAN was founded in 1984 and is part of the owner-operated Friedhelm Loh Group. The Friedhelm Loh Group operates worldwide with 12 production sites and 96 international subsidiaries. The entire group employs 12.100 people and generated revenues of around €2,6 billion in 2019. For the 14th time in succession, the family business has won the accolade “Top German Employer” in 2022. In addition Friedhelm Loh Group was recognized as “Top vocational trainer” according to a study of Deutschland Test and Focus Money.

For more information, visit <www.eplan.de> and <www.friedhelm-loh-group.com>.