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Eplan and Rittal at the ISH

From 13 to 17 March 2023

Hall 10.3, Stand C69

**From Power Distribution to Building Automation**

**Designers, switchgear system engineers and system operators will all find interesting ideas for a more sustainable future at the ISH in Frankfurt. Eplan and Rittal will be there and jointly presenting viable inspirations for electrical power generation, distribution and storage in buildings. Additionally, Eplan will be presenting smart solutions for the building automation sector, from design through to maintenance and servicing.**

Monheim, Germany, 15 February 2023 – At the ISH, Eplan will first be focusing on the fast-growing building automation sector and, with real-world automation examples, will demonstrate how end-to-end processes can be achieved – from specifications to designs, manufacturing and operations. The exhibit is a Rittal VX25 control cabinet, equipped with a Beckhoff controller and numerous Siemens components and Weidmüller terminals. The building control technology is coordinated using XAMControl and the cabinet was manufactured by the company Kreutzpointner based in Burghausen, Germany. This practical example demonstrates how automated engineering works: Eplan and Rittal will discuss with ISH attendees the potential waiting to be exploited in a company’s in-house processes – uniform data, end-to-end processes and efficient results at all stages of the value chain:

* Designing and specifications for a plant system
* Creating the measurement and control diagrams
* Provision of and access to manufacturer’s data
* Automatic creation of BACnet-compliant data point lists following the new VDI 3814 guidelines from the Association of German Engineers
* Partially automatic creation of the schematics
* 3D set up of the major access point
* Digital, paperless in-house and external testing and approval processes
* Visual testing process via augmented reality
* Mechanical production of the major access point
* Efficient maintenance and servicing

**Integrated data point lists based on VDI 3814**

The design and planning of building automation should be integrated into the overall project at a very early stage. The Eplan Platform supports integrated planning to be able to quickly implement even complex building automation requirements. Cloud-based tools such as Eplan eManage and eView provide easy rights-based approval processes and a greater overview of the project. A special highlight is the creation of measurement and control schemes, not to mention fully automatic generation of data point lists based on the new VDI 3814 guidelines from the Association of German Engineers. Eplan Preplanning depicts everything required under this standard for building automation. The data can then be transferred to Eplan Electric P8 for semi-automatic schematic generation. This brings companies closer to the goal of standardising and digitalising projects to the greatest possible extent.

**More power for energy distribution**

Rittal will be presenting solutions for electrical power generation, distribution and storage in buildings at the ISH in Frankfurt. This will give designers of energy distribution systems specific real-world examples. Using the example of a low-voltage main distribution system based on the modular Ri4Power system, entire low-voltage switchgear systems can be easily designed, built and safely operated. The Rittal Power Engineering software makes it much easier for engineering designs of switchgear systems.

With support from Eplan and Rittal, TH Lübeck – a German technical university – has developed a fast-charging station with energy storage to help advance the energy transformation. This station will be on display at the ISH and anyone interested can come discuss the topics of power generation, energy storage and energy distribution with experts from Eplan and Rittal.

Find out more at: [www.eplan.de/ish](http://www.eplan.de/ish)

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**Images**

Building Technology.jpg: At the ISH, Eplan will be focusing on the fast-growing building automation sector and, with real-world automation examples, will demonstrate how end-to-end processes can be achieved – from specifications to designs, manufacturing and operations.

Please name Eplan GmbH & Co. KG as the source, and provide us with a sample copy.

**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. Worldwide, EPLAN supports more than 65,000 customers. EPLAN wants to grow further with customers and partners and pushes integration and automation in engineering forward. Within the EPLAN Partner Network, open interfaces and seamless integrations are realised together with partners. „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 more than 12 production sites and over 95 international subsidiaries. The entire group employs more than 12.000 people and generated revenues of €3 billion in 2022. 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