A new home for the digital twin

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**Rittal ePocket: The digital wiring plan pocket for operation**

**Anyone who has ever looked at manufacturing will have seen it: thick paper folders with equipment and system documentation inside the enclosure. From Eplan and Rittal’s point of view, such practices are no longer up-to-date when the data can be used digitally and centrally. The sister companies present Rittal ePocket – the digital wiring plan pocket. In terms of environmental friendliness, the new space in the cloud has the benefit of doing away with paper. In addition, operators, planners, switchgear manufacturers and maintenance staff will find it easier to work together because of the constant availability of up-to-data data.**

Herborn, 23. November 2021 – Paper will bear anything. Eplan and Rittal’s take on this is that it is a no-go in digital times. Through the development of the Rittal ePocket, the new digital wiring plan pocket, the sister companies are having a clear-out and giving digital data to the enclosure the “right of way.” This means that widely-used paper documentation has become a thing of the past. “With Rittal ePocket, our customers take another step to benefit from data quality as applications in operations and service continue to grow,” says Uwe Scharf, Managing Director Business Units and Marketing at Rittal. If all project data, such as wiring and maintenance plans, certificates, etc. of a machine or plant, is available digitally, any changes can be directly fed back into the project and possible downtimes can be reduced to a minimum.

**Project access via the Eplan Cloud**

So that this workflow functions, every single member of the VX25, VX SE, AX and KX enclosure range will have its own “place ” in the Eplan Cloud. The owner can access the equipment and system documentation, including a digital twin, in the Eplan Cloud via a QR code on the enclosure. The benefits increase if the owner gives other players an insight into the latest documentation. For employees in service and maintenance, for instance, this means that they can easily access the circuit diagrams directly on the system with a smartphone or tablet using the integrated Eplan eView function. This ensures quick troubleshooting in the event of repairs and maintenance.

Companies benefit in three ways from this digital process from schematic creation of circuit diagrams to maintenance: Incidents are eliminated faster, and repeatedly printing out up to 500 or more pages of documentation is no longer necessary, which represents a clear time advantage. The environment also benefits from not using paper, thanks to the reduced carbon emissions. And finally, there is less risk of fire if paper is not stored inside the enclosure.

**Digital twin in operation**

From now on, the digital twin accompanies the real enclosure throughout its entire life cycle. With the digital wiring plan pocket, the equipment and system documentation is always up-to-date; it is accessible from any device, wherever it is located while operating. "We are intensifying our portfolio for 'Operations' as the opportunities for our customers and the industry are clear," explains Scharf: "Tracking features and information contained in the data are continuously increasing. As a result, operators, planners, control- and switchgear manufacturers and maintenance professionals remain in permanent contact and in business with each other during operation of the plants as well."

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**Caption(s)**

Image 1 (fri180421410.jpg): With Rittal ePocket, the cloud-based, digital wiring plan pocket, Eplan and Rittal provide a home for equipment and system documentation, including a digital twin.

Image 2 (fri21208600.jpg): “With Rittal ePocket, our customers take another step to benefit from data quality as applications in operations and service continue to grow,” says Uwe Scharf, Managing Director Business Units and Marketing at Rittal.

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**Press Kit SPS 2021 Nuremberg**

Unfortunately, the trade fair had to be cancelled due to the current pandemic situation. We would have liked to see you in person. What would we have liked to show you? Please find the joint press kit of Rittal, Eplan and German Edge Cloud: [www.rittal.com/presskit](http://www.rittal.com/presskit)

You would like to exchange views with us even without a trade fair? Do not hesitate to contact us, we are looking forward to meeting you!

**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 mechanical 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 CO2 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 2021, the family-run business was named one of Germany's leading employers by the Top Employers Institute, for the 13th 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

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