New RiTherm climate control software

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Ensuring a favourable climate

For a long time now, customers have been able to use the “Therm” software application to plan the climate control for their switchgear. Around 80,000 users worldwide benefit from the app. However, the very high energy efficiency requirements and reliable carbon emissions have greatly altered demand. At SPS, Rittal is now presenting “RiTherm”, a completely new design tool developed based on EPLAN Cloud. In the future, it will provide even better cooling and sustainability along the entire value chain and offer many new benefits.

Herborn/Monheim/Gräfelfing/Limburg, 16 October 2023 — Good climatic conditions are essential in the interior of an enclosure. However, both the electronics and those who operate it need more given the opportunities offered by digitalisation, it needs to be possible to freely plan the most energy-efficient, transparent and individually tailored climate control solutions for enclosures. This is all made possible by the new RiTherm design software, to be launched on 13 November, just in time for the SPS trade fair in Nuremberg. Embedded in the Eplan Cloud, the software offers the latest handling and completely new planning options.

**Integrated energy efficiency calculator**

In times of energy shortages and high energy prices, optimisation of climate control design must pay special attention to efficiency. With RiTherm, customers will in the future be provided with an energy efficiency calculator that takes into account the use of the enclosure and the conditions, depending on the climate zone. If individual components can themselves be optimised, the app also indicates a more energy-efficient alternative device. RiTherm also calculates the entire carbon footprint of the potential climate control solution, and does so from delivery to operation.

**Calculating the climate control**

The software calculates and suggests how the best climate control could look in practice and with which Rittal products, based on the project data for all environmental conditions of the enclosures concerned. Details such as the altitude in metres, which may influence cooling output, are also provided. Moreover, the software also makes a needs-based calculation for suites of bayed enclosures and makes direct recommendations about suitable accessories.

**Complete documentation**

Subsequently, RiTherm also provides a standard-compliant heat dissipation certificate following the EU Machinery Directive in terms of reliability, and also issues all the necessary product information and approvals as required. The corresponding product lifecycle status is also displayed, as is any possible information on successor products.

Earlier Therm projects can be transferred to RiTherm and further processed there. By the end of the year, the software will be available in a total of 15 languages, thanks to the cloud and the PIM connection with a country-specific portfolio. With all these features, RiTherm provides customers with the best cooling solution quickly and effectively. It means there is nothing to stand in the way of good climate control.

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**Caption(s)**

Image 1 (fri231428700.jpg): Rittal presents “RiTherm” at the SPS. This completely new design tool has been developed based on the EPLAN Cloud. In the future, it will provide even better cooling and sustainability across the entire value chain and offer many new benefits.

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**About Rittal**

Rittal is a leading global supplier of enclosure systems, automation and infrastructure to the industrial, IT, energy and power, cooling and service sectors. Rittal products and solutions are used in over 90% of global industries – standardised, customised, and always of the very best quality.

Our approach and methodology: Rittal, Rittal Software Systems (Eplan, Cideon and German Edge Cloud) and Rittal Automation Systems (RAS, Ehrt, Alfra) combine their hardware and software expertise to streamline, optimise and digitalise processes across the entire value chain for our customers including their IT infrastructure – from control and switchgear construction, machine building to factory operators or the energy sector.

Our promise: Rittal standard products are delivered within 24 hours in Germany, and within 48 hours worldwide.

**Fully focused on our customers**

Improving efficiency and increasing productivity through automation and digitalisation is one of the biggest challenges for our customers. This requires in-depth knowledge and expertise, the combination of hardware and software, and cross-sector networking. We are convinced that creating and connecting data spaces is crucial to the success of industrial transformation. And that is exactly our speciality and field of competence.

Eplan and Rittal are driving the development of the digital twins of equipment and systems and are making the data more accessible and operationally useable. Cideon is improving digital continuity and data consistency in relation to digital product twin context with its CAD/CAM, PDM/PLM and product configuration expertise. German Edge Cloud’s ONCITE Digital Production System (DPS) makes the data from the manufacturing processes transparent and thus optimisable – right up to energy management via the digital production twin.

**Sustainability**

Environmental and climate protection, social commitment and ethical corporate management are a given for Rittal. We take our responsibility for a sustainable future seriously. Our approach to resource management and conservation involves continuous improvement of our production processes and ensuring that our products and solutions have the lowest possible Product Carbon Footprint. This supports our customers in achieving their climate targets.

**Family business and global player**

Founded in 1961, Rittal is the largest company in the owner-operated Friedhelm Loh Group. The group operates worldwide, with over 12 production sites and more than 95 international subsidiaries. It had more than 12,000 employees and posted revenues of 3 billion euros in fiscal 2022. In 2023, the Friedhelm Loh Group was named “Best Place to Learn” and “Employer of the Future”. Rittal was awarded the Top 100 Seal as one of Germany’s most innovative medium-sized companies.

For more information, visit [www.rittal.com](http://www.rittal.com) and [www.friedhelm-loh-group.de](http://www.friedhelm-loh-group.de).