

Press release

Rittal GmbH & Co. KG



*Rittal at the Hanover Trade Fair
From 1 to 05 April 2019
Hall 11, Booth E06*

Supporting electromobility

Rittal uses its expertise in enclosure manufacturing to supply infrastructure for electromobility

- **At Hanover Messe (Hannover Trade Fair), Rittal is presenting product solutions for the rapid development of an infrastructure for e-mobility**
- **Years of experience in constructing outdoor stations have gone into the solution for a 350-kW fast charger**
- **Manufacturer Tritium (IONITY charging stations) and the energy supplier ENERCON are among the first companies to make use of Rittal technologies**

Hanover/Herborn, 2 April 2019 – At Hanover Trade Fair, Rittal is presenting its solutions for setting up an e-mobility infrastructure: From power generation to charging stations, Rittal is benefiting the whole value chain and, together with partners and customers, is designing the central infrastructure elements needed to establish charging stations. Rittal is also producing many components for this infrastructure, such as outdoor enclosures, containers for accommodating batteries or for transformer stations, and cooling systems for fast chargers.

A charging station typically consists of a transformer station and (depending on the design) an outdoor battery storage system, as well as a variety of infrastructure

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enclosures for the power electronics. In particular, high-performance 350 kW fast chargers require the systems to be cooled, and the cooling system also comes from Rittal. Rittal produces the enclosures for the actual chargers where the electric vehicles are charged, while Rittal partners and customers install and operate the electronic components.

“Enclosure technology is an important factor in setting up the charging infrastructure. Factors such as protection categories, resistance classes, scalability and climate control all have to be taken into consideration. Besides this, customers are demanding a worldwide availability of solutions and spare parts. Rittal has the experience and the global organisation needed to meet these demands. That’s why we see Rittal’s entry into the e-mobility sector as being an ideal addition to our existing product range,” says Uwe Scharf, Managing Director Marketing and Business Units at Rittal.

Electro-filling stations for the whole of Europe

Rittal is already fulfilling a major contract with Australian electrical infrastructure provider Tritium: In the future, Tritium, one of the manufacturers of the well-known IONITY charging stations, will purchase high-quality outdoor enclosures from Rittal and thus further expand the infrastructure for electric vehicles in no fewer than 26 countries.

Owners of electric vehicles will know about IONITY: Renowned automobile manufacturers have joined forces in this joint venture, with the aim of promoting the development of a charging infrastructure together. This cooperation has resulted in the largest rapid charging network in Europe.

“Once we had received the order from IONITY for the production of charging parks, we needed a supplier for the outdoor stations and enclosures,” explains David

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Finn, CEO and founder of Tritium. “One of the most important criteria was the rapid availability of the components because we had to fulfil our major order quickly. Rittal won us over with its globally available service and high product quality,” Mr. Finn continued. Among other things, the Rittal solution is employed to protect the charging station’s sensitive electrical components from environmental influences.

A new e-mobility solution from ENERCON

In another project, wind turbine manufacturer ENERCON is already successfully using Rittal components to implement complete charging stations – from the transformers to chargers. At the company headquarters in Aurich, the company has installed a fast charger solution, for example. Rittal supplied outdoor enclosures for the first charging point to be installed. Rittal was able to win the contract thanks to its convincing expertise in the energy vertical market and by successfully completing a number of projects with ENERCON.

Rittal and ENERCON will be displaying the E-Charger 600 together at the Hanover Trade Fair. It already masters the new HPC 2 (High Power Charging 2) standard and operates with a charging capacity of up to 350 kW DC. The solution can also help stabilise the grid by providing reactive power based on demand. The Hanover Trade Fair will be held from 1 to 5 April 2019 at the Hanover Exhibition Grounds. Rittal’s booth is E06 in Hall 11, where the ENERCON charging station will also be on show.

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Caption(s)

Image 1/fri192009200.jpg: In another project, wind turbine manufacturer ENERCON is already successfully using Rittal components to implement complete charging stations – from the transformers to chargers.

Image 2/ fri151777000.jpg: Managing Director of the IT and Industry Business Units and for Marketing.

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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 CO₂ consumption, 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 18 production sites and 80 international subsidiaries. It has approximately 11,500 employees and posted revenues of €2.5 billion in fiscal 2017. In 2018, the family-run business was named one of Germany's leading employers by the Top Employers Institute, for the tenth year running. Within the scope of a Germany-wide survey, Focus Money magazine identified the Friedhelm Loh Group as one of the nation's best providers of vocational training for the third time in 2018.

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