



Industry 4.0 – Ready for the future with Wieland

Automation of industrial processes is progressing more and more. Innovative ideas and ever greater interconnection of production processes bring the industry to the threshold of the next revolutionary stage of industrial structures.

In demand are procedures for self-optimization, self-configuration, self-diagnostics and cognition. A compound of intelligent systems which allow mechanical and electrical components to communicate with each other via a network are required. Wieland offers a wide ranged product portfolio for industry 4.0, which fulfills all requirements of “Smart Factory”.

Products to realize a high flexible, fast and safe interconnection are the VPN router or the switches of Wieland. A big choice of connection technology in industry standards, like **revos** IT or RST IT, guarantees a reliable installation for the automation of the future. Protection components like the **wietap** overvoltage protection ensure the installation is EMC-protected. The decentralized I/O fieldbus system **ricos** FLEX helps implement an adaptive, autonomous production process without centralized control. Safety controls like **samos**® PRO COMPACT protect both people and equipment.

The high degree of individuality of today’s production facilities makes flexible installation systems more and more important. The wide ranged portfolio of Wieland, which includes many variations of standardized connector technologies like **revos** or **saris**, fulfills all requirements. The power distribution systems **gesis**® and **podis**® even go one step further: Innovative connection technologies make the entire installation simple, quick and safe – from initial

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commissioning to each modification and extension. This allows for effective and error-free installations in next to no time.

Intelligent and adaptive systems simplify machine operation considerably. Again, Wieland offers an important component for realization with its VPN routers. Easy-to-use programming tools like **samos**[®] PLAN 5+ make it possible to realize safety functions without knowing any special PLC programming language.

Wieland offers sustainable solutions not only for communications technology and safety engineering, but also for the conventional electrical installation of machines and systems. Wieland continuously works on finding the best solution for you that satisfies highest demands.

In addition to innovative system solutions for our customers, we also deliver on our social responsibilities. All Wieland products come from sustainable and environmentally responsible production facilities in line with the latest standards. Global commitment and sustainable regional action – Wieland Electric is fit for the future: Contacts are green.





Background

Wieland Electric was founded in Bamberg in 1910 and is the inventor of the secure electrical connection technology. Its range of products includes well above 20,000 components for industrial automation, building installation and building automation. For over 30 years, with the **gesis**[®] system, Wieland has been one of the world's frontrunners in the field of pluggable electrical installation for buildings. Its power bus system **podis**[®] lends itself for automation solutions. This modular system permits especially efficient local installation of logistics and transport systems. The family-owned company is a global player and has subsidiaries and sales organizations in Argentina, Belgium, China, Denmark, Germany, France, Great Britain, Italy, Japan, Canada, the Philippines, Poland, Romania, Russia, Spain, Switzerland, the Czech Republic and the USA and is represented in over 70 countries. The Wieland Group includes, in addition to the Wieland Electric GmbH, the STOCKO Contact GmbH & Co. KG (since 1998). Wieland Electric has been certified according to the Quality and Environmental Management Systems EN ISO 9001:2008, EN ISO 14001 and the EC Environmental Management and Audit Scheme EMAS.

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In the event of publication, we would be grateful for a specimen copy. Thank you!

