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PRESS INFORMATION

Modern construction processes: Perfect building networking with BIM and Wieland PREFAB®

Building Information Modeling (BIM) is much more than just a digital planning option - it is the key to more efficient construction and strategic collaboration between all trades. For architects, BIM offers the opportunity to plan complex construction projects precisely, optimize construction processes and achieve sustainability goals. The integration of all relevant data in a digital model creates full transparency, which minimizes errors, improves communication and enables seamless coordination of design, execution and operation. In an increasingly digital construction world, BIM is becoming an indispensable tool for innovative and sustainable architecture.

With Wieland PREFAB® and the Building Solutions Designer (BSD), Wieland Electric provides the answer for the modern way of planning electrical installations. Planners can precisely integrate the pluggable installation solutions into digital 3D models right from the start. This enables detailed and transparent planning that optimizes collaboration between the trades. Data exchange with common 3D planning tools is seamless.

Efficiency through pluggable solutions

Wieland PREFAB® is a series of pre-assembled, pluggable system components and installation devices that enable a significant reduction in time and costs. In figures, this means up to 70 % less construction time and 30 % lower costs. Instead of laboriously stripping cables and making connections manually, the electrical installation is prepared at the factory and ready to plug in. On the construction site, the components simply need to be connected using Plug



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& Play. This method not only ensures faster work processes, but also greater safety, as mechanical and color coding of the plug-in systems virtually eliminates the possibility of incorrect connections.

Flexibility for all construction methods

Wieland PREFAB® offers solutions for a wide range of prefabrication stages and construction methods - from conventional building construction to modular construction concepts. The gesis® and RST® connector systems comply with standards and can be used without hesitation in areas that are no longer accessible, such as walls, insulation materials or concrete. This ensures a reliable and durable connection. The time and cost savings are a decisive advantage, especially in modular construction.

Wieland Electric at BAU 2025

January 13 to 17, 2025

Munich Trade Fair

Hall A2 Booth 439



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Photo 1 (View into the future)

A look into a future that is already here: the Building Solutions Designer (BSD) is used to determine the components for customer-specific Wieland PREFAB® solutions. (Image: Wieland Electric/Adobe Stock))

PRESS CONTACT

Daniela Kapitz

Marketing Manager Communications & PR

Telephone: +49 (951) 9324 – 291

E-Mail: daniela.kapitz@wieland-electric.com

EDITORIAL OFFICE

Lisa-Marie Niehoff

b&t bau & technik PR und Werbung GmbH

Telephone: +49 211 6707-450

E-Mail: lisa-marie.niehoff@bt-pr.de



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ABOUT WIELAND ELECTRIC

Wieland Electric, founded in Bamberg in 1910, is the inventor of safe electrical connection technology. Today, the family-owned company is one of the leading suppliers of safety and automation technology and has been the world market leader in the field of pluggable electrical installations for building technology for over 40 years. Wieland Electric assists customers with on-site support all over the world as a capable service partner and solution provider. This is made possible by around 1,700 employees and subsidiaries as well as sales organizations in over 70 countries. In addition to Wieland Electric GmbH, STOCKO Contact GmbH & Co. KG has belonged to Wieland Holding since 1998. The core industries of the company are mechanical engineering, wind power, and building and lighting technology. The broad portfolio includes components, products and systems for electrical installation, connection technology, power distribution, safety technology, control cabinets and industrial prefabricated construction. In addition, Wieland Electric offers an extensive service and training program. With cross-industry experience, a wide range of products and numerous service offerings, the company has consistently developed from a component supplier to a system provider in recent years.

Wieland Electric GmbH

Brennerstrasse 10-14
96052 Bamberg
Deutschland

Phone: +49 (0)952-9324-0

Mail: info@wieland-electric.com