



MARCH 2024

PRESS INFORMATION

PRECISE PLANNING IN THE VIRTUAL MODEL

Building Solutions Designer (BSD) by Wieland Electric offers accurate design and planning of electrical installations

The construction industry is in the midst of a digital revolution, and Building Information Modeling (BIM) is at the heart of this transition. BIM aids in improving the efficiency of planning and execution by digitally modelling and integrating all relevant information about the materials and components utilized. This integration not only minimizes errors but also boosts transparency. In order to leverage this potential when it comes to technical building equipment, Wieland Electric's Building Solutions Designer (BSD) is the first to offer 3D modelling of pluggable electrical installation and planning cable infrastructures for a quick and flexible integration.

BIM planning proves to be especially advantageous for serial or modular construction, as it offers all the information for the series production of the components illustrated in a digital copy. And optimal interaction between the trades is supported. This is where the digital planning tools from Wieland PREFAB® come into play. Based on the respective construction method and the customer's process, a PREFAB application scheme can be created with just a few clicks by accessing the freely available online tool, Building Solutions Configurator (BSC). This basic concept can in turn be used to generate a complete 3D representation of the pluggable electrical infrastructure within the Building Solutions Designer (BSD). The planning tool also provides electrical planners with a corresponding product database with pre-assembled, directly pluggable components, such as distributors and installation devices.



wieland

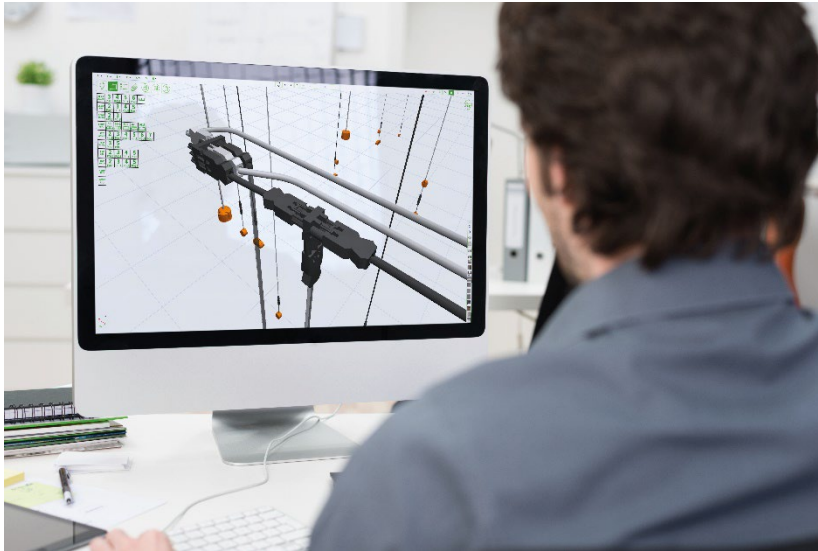
By exchanging data with common BIM planning software, Building Solutions Designer sets a new standard by integrating a pluggable electrical installation into holistic building planning for the first time. The IFC interface allows for the import of building models and export the specialist model in the appropriate format. In addition to the 3D geometries, the IFC export includes product data classified according to the buildingSMART Data Dictionary (bSDD) and ETIM.

The functions of the new 3D planning tool from Wieland Electric includes the ability of reviewing the installation with respect to technical parameters such as voltage drop or overload. Additionally, a parts list can be generated for each specialist model for the further digital planning process, which can be exported if required. "The Building Solutions Designer creates an optimum basis for factory-side production planning, including electrical installation, and enables detailed planning of installation routes compared to other tools. This allows line infrastructures to be planned with the utmost precision and flexibility, increases transparency, avoids errors and increases the efficiency of construction projects," emphasizes Thomas Nieborg, Product Information Manager at Wieland Electric.



wieland

IMAGEMATERIAL



With the new 3D planning tool Building Solutions Designer (BSD), Wieland Electric makes it possible for the first time to integrate pluggable electrical installation cabling into holistic building planning. (Image: Wieland Electric).



wieland

PRESSCONTACT

Magdalena Montagna

Content Marketing & Communication

Phone: +49 (951) 9324 - 316

E-mail: magdalena.montagna@wieland-electric.com

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 global market leader in the field of pluggable electrical installations for building technology for over 30 years.

Wieland Electric assists customers with on-site support all over the world as a capable service partner and solution provider. This is possible thanks to 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 company's core industries include mechanical engineering, wind power, intralogistics and HVAC, as well as building and lighting technology. The broad portfolio includes components, products, and solutions for electrical installation, connection technology, power distribution, safety technology, and the control cabinet. In addition, Wieland Electric offers an extensive service and training program. With cross-industry experience, a great product diversity and numerous service offerings, the company has consistently developed from a component supplier to a solution provider in recent years.