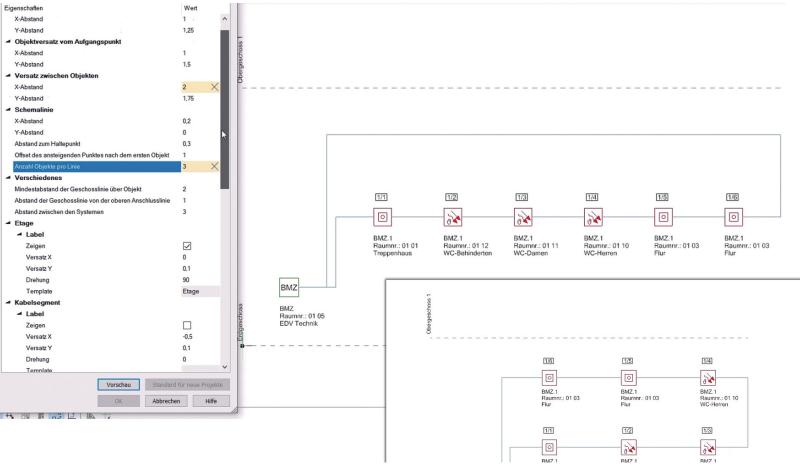Graphisoft Building Systems at Light + Building 2022

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Efficient Electrical Planning at all Levels

Frankfurt/Main, October 04, 2022 - A wide range of new functions and further developments for electrical installation planning and distribution documentation with DDScad 18 were presented by Graphisoft Building Systems (formerly Data Design System) at Light + Building.

The diverse functional innovations ensure more flexibility and planning convenience as well as even more efficient and faster processes. They range from the configuration and routing of cables to the design of cable trays and the configuration of schematics. In this way, software version 18 significantly optimizes digital electrical planning processes in several places.

Cable planning with DDScad 18: individual and fast

For example, it is now possible to create new line types as required. This is not done via a separate dialog, but directly in the properties window of the software. Here, among other things, the appropriate installation type, multiple or single conductor or the desired material can be selected. Once the configuration is complete, the newly created cable variants are automatically added to the list of cable models already available and are taken into account by the software in all further work steps, e.g. when creating parts lists.

DDScad 18 also provides new options for planning cable routes in the building, which make daily work much easier. For example, if an installation system is used, the software finds the shortest route via this with just one click and automatically establishes the connection between the consumer and the distributor. The function can also be used to specifically check whether a selected line still takes the shortest route even after changes have been made to the installation system. This increases planning efficiency and at the same time reduces material costs.

Flexible modeling and precise design of laying systems

To make working with laying systems even more user-friendly, new types of cable tray holders are now available in DDScad. Self-created or external symbols can be used to create holders. In addition, it is also possible to use cable tray holders vertically on upward or downward sloping sub-segments.

After modeling the laying systems for low-current and power cables, DDScad 18 can be used to analyze their degree of filling. In this way, users quickly and precisely determine whether the corresponding cable tray, cable duct or empty conduit is adequately dimensioned for the planned use or for any subsequent extensions. The detailed calculation result, which can also be created for individual sub-segments of an installation system, is clearly displayed in the properties window. On this basis, critical areas can be quickly and easily identified and the components adjusted accordingly. If the minimum or maximum filling level of a laying system defined by the user is undercut or exceeded, the software automatically issues a message. For even greater clarity, a visualization filter can be used to display different filling levels in color in the 3D model.

Electrical diagrams more clearly arranged

As in previous versions, installation planning and distribution documentation are optimally interlinked in DDScad 18, so that changes in one subarea are automatically implemented in the other. A new feature is that the electrical schematics for the documentation can now be quickly and easily arranged and designed according to requirements. With the new schematic layout configurator, users can determine, among other things, how many objects per row or which text information should be displayed. A preview function shows the planned changes before they are applied. In addition, the new settings for electrical schemas can be saved as a template and thus used for new projects.

About DDScad

The DDScad product family offers users intelligent tools for electrical and HVAC planning, integrated calculations and comprehensive options for documenting all building systems. With the BIM software solutions, engineering and trade companies plan and implement high-quality building services projects on time and on budget. All DDScad products support OPEN BIM. This ensures that workflows are transparent and that required data is available at all times. It also ensures the longevity of the built facilities.

About Graphisoft

Graphisoft® lets teams create great architecture. This is made possible through award-winning software solutions, training programs and professional services for the AEC/O industry. Archicad® is the BIM software of choice for architects*, providing a complete, seamless design and documentation workflow for architecture and civil engineering firms of all sizes. BIMx®, the most popular mobile and web BIM app, extends the BIM experience and sets the stage for involving all stakeholders in the design, construction and operational lifecycle of a building. BIMcloud®, the AEC/O industry's first and most advanced cloud-based team collaboration solution, enables real-time global collaboration; regardless of the size of the project and the speed or quality of the team members' network connection. Graphisoft is part of the Nemetschek Group. To learn more, visit www.graphisoft.com.

About the Nemetschek Group

The Nemetschek Group is a pioneer for digital transformation in the AEC/O and the media & entertainment industries. With its intelligent software solutions, it covers the entire lifecycle of building and infrastructure projects, guides its customers into the future of digitalization and enables them to shape the world. As one of the leading corporate groups worldwide in this sector, the Nemetschek Group increases quality in the building process and improves the digital workflow for all those involved. Customers can design, build, and manage buildings more efficiently, sustainably and resource-saving. The focus is on the use of open standards (OPEN BIM). The portfolio also includes digital solutions for visualization, 3D modeling, and animation. The innovative solutions of the brands ALLPLAN, Bluebeam, Crem Solutions, dRofus, FRILO, Graphisoft, Maxon, Nevaris, RISA, SCIA, Solibri, Spacewell and Vectorworks in the four customer-oriented segments are used by approximately 6.5 million users worldwide. Founded by Prof. Georg Nemetschek in 1963, the Nemetschek Group today employs around 3,400 experts all over the world.

Publicly listed since 1999 and quoted on the MDAX and TecDAX, the company achieved revenue amounting to EUR 681.5 million and an EBITDA of EUR 222.0 million in 2021.

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