Press release

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fischer BIM Services

The digital and real world of fastening become one

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fischer's Building Information Modelling (BIM) services provide added efficiency during projects and offer many advantages such as adherence to timeframes and budgets. Smart, digital twins of fischer fixing and system solutions are just as much part of the range as BIM engineering services. The various support options encompass the entire planning, construction and operational phases of buildings in line with the respective requirements of the customers and projects.

As a manufacturer of innovative fixings, facade systems and systems for the installation of building services (heating, plumbing, ventilation, air conditioning etc.), the fischer Group of Companies offers multiple BIM services in order to take part in the ongoing digital transformation of the construction industry as a competent and reliable partner. The services optimise almost any construction and operational phase of the building.

fischer's BIM services comprise smart, digital twins of relevant products, system components and predefined components. The range of services includes fischer fixing and system solutions including inserts (fischer anchor channels), facade substructures, installation systems and fire protection. fischer's BIM offerings further comprise BIM engineering services and

custom solutions to select, design and model fischer fixing and system solutions and create project-specific digital models and components optimised according to customer requirements. In doing so, information can be implemented in the building model, from the concept design to maximum detail modelling.

The smart, digital twins of the fixing specialist's products and systems can be downloaded free of charge in the Autodesk Revit format on fischer's website as well as on the bimobject and MagiCloud platforms. The objects are primarily provided as native Revit families, allowing them to be easily and optimally edited and duplicated. They provide additional functions that meet specific project and customer requirements and can also be adapted by fischer as required. fischer's portfolio of smart, digital twins of products and systems can be used in a user-friendly manner with a range of services and custom solutions.

There are also comprehensive on-site support options, including BIM to Field support using digital models and the latest technology (Robotik Total Station, RTS), for the precise positioning of drill holes or preassembled components from the 3D model onto the building site, for example. The on-site support furthermore includes installation training, digital solutions to document work that has been carried out and many other services such as Field to BIM services for surveying and modelling including point cloud analysis and processing in addition to as-built documentation to create a 3D image of the existing structure. Monitoring solutions during the construction phase complete fischer's offer. Smart tools allow important details on correct installation to be documented. This prevents installation errors and long-term damage, while maintenance work and its associated time and cost are kept to a minimum.

Furthermore, fischer is connecting the world of fixing technology with intelligent measurement systems through new and innovative product solutions, creating a better flow of information to the benefit of the building operators and owners throughout the property's operating life.

Image captions:

Image 1
Intelligently combining the digital and real: fischer supplies digital twins as well as BIM engineering services and custom solutions for its fixing and system solutions.
Image: fischer

Image 2
fischer's BIM Services offer added efficiency during projects and help save time and costs.
Image: fischer

Image 3
fischer's BIM solutions include BIM to Field support which facilitates the precise positioning of drill holes or preassembled components from the 3D model onto the building site, for example.
Image: fischer

Image 4
With 3D scanning and Field to BIM fischer offers 3D measuring as the ideal foundation for precise modelling to save money on the construction site during renovation or extension work. The programme comprises full 3D scanning services including point cloud analysis.
Image: fischer

Image 5
Planning was carried out with BIM before the media lines of the Dutch Earth Simulation Laboratory building in Utrecht were fastened with fischer installation systems and the facade was anchored with fischer facade systems.
Image: fischer

Image 6
Planning was carried out with BIM before the media lines of the Dutch Earth Simulation Laboratory building in Utrecht were fastened with fischer installation systems and the facade was anchored with fischer facade systems
Image: fischer

Image 7
BIM was used during the creation of the Louvre Abu Dhabi which used fischer fixing and installation systems.
Image: ©LouvreAbuDhabi, PhotographyMohamedSomji

The fischer Group of Companies

The fischer Group of Companies, headquartered in Waldachtal in Germany's northern Black Forest, generated sales of 988 million euro in 2021 with a worldwide staff of 5,400 employees. The family-owned company operates 50 subsidiaries in 38 countries and exports to more than 120 countries. It includes the five divisions: fischer fixing systems, fischer Automotive, fischertechnik, fischer Consulting and fischer Electronic Solutions.

fischer fixing systems is the technological market leader in key areas of fixing technology. fischer offers products that deliver technical perfection to a wide range of customers, from do-it-yourselfers to tradespeople to key account partners.

fischer Automotive manufactures high-quality parts for vehicle interiors. The company is highly competent in the plastics processing segment and is an important partner for the automotive industry. Its range of products includes air vents, cup holders, trays and multi-function components.

With its construction kits, fischertechnik is active in both the toymaking and the educational sector. fischertechnik is one of the last remaining toy makers to exclusively develop and produce in Germany.

fischer Consulting evolved from the competence developed in the company itself, which includes the fischer ProcessSystem with its central aim of permanent improvement for the ultimate benefit of the customer. fischer Consulting advises small and medium-sized businesses, government agencies and major companies on their path towards lean and efficient processes.

fischer Electronic Solutions develops and manufactures electronic solutions including product and system developments based on the latest technology as well as custom production orders processed in the company's own production facilities. As an experienced provider of development and production services for custom systems such as multi-touch solutions made of glass and the corresponding controller units, fischer Electronic Solutions forms the perfect link between the customer and the final product.

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