

Press release

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Trade fair review: The fischer Group of Companies at the World Tunnel Congress

Underground fastening know-how

fischer was in the the midst of things as an exhibitor at the World Tunnel Congress in Copenhagen from 2 to 8 September. The fastening expert showcased a selection of its fixing and system solutions for tunnel projects in Hall A. The company seized the opportunity to speak to trade fair visitors about its products and services that are used on tunnel construction projects around the world.

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Prestigious global experts in planning and executing underground constructions filled the Bella Center Copenhagen on the occasion of the World Tunnel Congress. Between various items and seminars on the agenda, participants had the opportunity to attend the accompanying exhibition with a total of 180 exhibitors. The fixing expert fischer attended with its own booth to present a selection of its tunnel construction innovations to a large audience of experts.

“The World Tunnel Congress was highly successful for us”, summarises Dr Oliver Geibig, Managing Director Business Units & Engineering at the fischer Group of Companies. “We seized the opportunity to speak to visitors about our current range of products and services and also discussed specific project and application solutions in addition to current industry trends to get inspiration for potential new developments”.

Popular topics included sustainability and carbon footprints, both of which are becoming increasingly important in planning, procurement and processing. But solutions such as digital tunnel monitoring during construction and renovation were also on the agenda. “Megatrends such as these have long been prevalent at our company and will continue to be developed”, Dr Oliver Geibig emphasises.

The exhibitor showcased fixing, installation, cast-in channel and FireStop systems designated for tunnel construction at its booth. The products have been tested in accordance with European and international standards and in most cases have an ETA (European Technical Assessment) as well as UL and ICC approvals for the USA and countries in the Far East. Construction products have to fulfil specific requirements in tunnel construction. fischer’s fixing and system solutions made of stainless and highly corrosion-resistant steel are resistant to highly corrosive atmospheres often or temporarily found in road and rail tunnels. They are also safe in the event of fire as well as in case of fatigue, seismic and impact influences.

fischer also presented its installation systems made of hot-dip galvanised or stainless steel for light to heavy loads which cover almost every application in tunnel construction and other projects. The modular components can be combined to suit the construction situation. The showcased fischer cast-in channel systems consisting of anchor channels and special t-head bolts guarantee high load-bearing capacity and are adaptable and flexible while making construction projects quicker and simpler. fischer’s FireStop range for structural fire protection was also exhibited and is suitable for almost all simple and complex applications in tunnel construction.

In addition to this, fischer showcased solutions for almost all kinds of fastening applications in tunnel construction, such as the fischer nail anchors FNA II for permanent and temporary fastenings. FNA II can be placed with a hammer or by using the time-saving push-through method of installation with a hammer drill and automatically expands under load.

Another key topic at fischer's booth included fischer's Building Information Modelling (BIM) services. The fixing specialist offers smart, digital twins of relevant products, system components and predefined components as well as custom BIM engineering services to optimise almost every planning, construction and operational phase of buildings.

At the World Tunnel Congress, the fixing specialist also demonstrated that it not only provides suitable products for tunnel construction projects around the globe but also a range of helpful services. The options cover every construction phase – ranging from consultation and design services, approval procedures and training all the way to on-site briefing and installation support.

Image captions:

Image 1

At the World Tunnel Congress, the fixing specialist fischer demonstrated that it not only has the right products for tunnel construction projects worldwide, such as the Brenner Base Tunnel (Fig.), but also offers helpful services.

Image: © BBT SE

Image 2

In good spirits: fischer's booth team at the World Tunnel Congress. The fixing specialist spoke to the exhibition's visitors about its products and services, which include supporting its partners throughout every construction phase until the project's successful completion.

Image 3

The fixing expert showcased its nail anchor FNA II for numerous kinds of tunnel construction applications at the World Tunnel

Congress. Applications include fastening sound protection systems, fire protection panels, ventilation pipes as well as channels.

Image 4

fischer introduced its fischer FireStop range for structural fire protection at the World Tunnel Congress. The solutions can effectively partition off openings on all kinds of media lines and securely seal construction joints.

Image 5

fischer's cast-in channel systems were displayed at the fischer booth at the World Tunnel Congress. The pre-assembled and cast-in fixing solutions guarantee high load-bearing capacity and are highly adaptable and flexible, making building projects simpler and faster while preventing damage to existing concrete constructions.

Image 6

Ideal for fastening all types of media lines in tunnel construction: fischer installation systems made of hot-dip galvanised or stainless steel for light to heavy loads.

Images: fischer

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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