

Media Release

Voith Group

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Voith supplies electric traction systems for 18 new trams in Würzburg

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- Voith equips 18 low-floor trams with electric traction systems and vehicle control.
- The drive solutions will ensure efficient and climate-friendly public transport in the city of Würzburg.

WUERZBURG/ST. POELTEN. Starting in 2022, a series of 18 new low-floor trams will be put into operation in Würzburg, with Voith selected to supply the electrical equipment. Voith is thus helping to increase the long-term viability of a sustainable public transport system for the customer, Würzburger Straßenbahn GmbH.

The tight turns in Würzburg's old town and steep slopes in the surrounding city districts require tailor-made vehicles combined with state-of-the-art technology to offer passengers the highest level of comfort. The five-part modular low-floor trams, to be supplied by the German company HeiterBlick Straßenbahnen GmbH, are conceptually adapted to the specific characteristics of the infrastructure involving steep track sections.

Besides the traction system consisting of traction converters, braking resistors, control levers and components of the high-voltage equipment, the Voith product scope also includes the on-board systems and vehicle control system, as well as the diagnosis and monitoring system.

Focus on energy efficiency and reliability

The optimally matched components of the drive system offer the customer a number of significant advantages. For example, high availability and reliability as well as reduced maintenance efforts result in low life cycle costs in the daily operation of rail vehicles. The proven and efficient EmCon DI1000-5AR double traction power converters are the key element of the electric drive train and ensure energy-efficient operation.

About the Voith Group

The Voith Group is a global technology company. With its broad portfolio of systems, products, services and digital applications, Voith sets standards in the markets of energy, oil & gas, paper, raw materials and transport & automotive. Founded in 1867, the company today has more than 19,000 employees, sales of € 4.3 billion and locations in over 60 countries worldwide and is thus one of the larger family-owned companies in Europe.

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The Group Division Voith Turbo is part of the Voith Group and a specialist for intelligent drive technology, systems as well as tailor-made services. With its innovative and smart products, Voith offers highest efficiency and reliability. Customers from highly diverse industries such as oil and gas, energy, mining and mechanical engineering, ship technology, rail and commercial vehicles rely on the advanced technologies and digital applications of Voith.

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Voith equips 18 low-floor trams with electric traction systems and entire vehicle control.



The proven and efficient EmCon DI1000-5AR double traction converters ensure energy-efficient drive technology.

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