



Running Gear

ZF Group

Together on Track

Rail has always been a driver of progress, connecting people, regions and economies. Since entering the railway technology business in 1924, ZF has been at the forefront of this evolution, continuously shaping mobility with innovation, engineering excellence and a deep understanding of industry needs. What began with the adaptation of a transmission for railcars has grown into a global success story: today, ZF Rail is one of the world's leading technology partners for the rail industry.

A Strong Foundation: Technology Across Systems

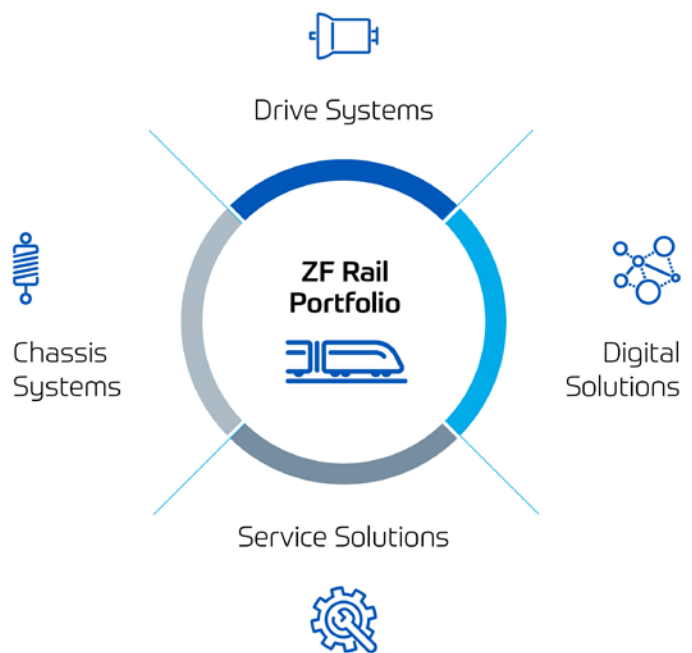
At the heart of ZF's success lies a unique strength: the ability to transfer technology across industries. Drawing on expertise from automotive, commercial vehicles and industrial applications, ZF develops solutions tailored to the specific demands of rail transport.

This cross-sector approach enables scalable, proven technologies while maintaining the flexibility to address a wide range of rail applications and customer requirements. The result is a comprehensive and future-ready portfolio covering key domains of rail vehicles from driveline to chassis, from digitalisation to aftersales services.

Comprehensive Portfolio for Modern Rail

Drive Systems – Powering Performance

ZF driveline technologies form the backbone of efficient rail operations. The portfolio includes solutions for all types of rail vehicles like electric multiple units, metros, trams, highspeed trains, diesel multiple units, locomotives and special vehicles.



ZF's portfolio for rail covers driveline and chassis solutions as well as smart condition monitoring systems and a broad service network, ensuring availability, efficiency and long-term reliability worldwide

With modular gearbox concepts, lightweight designs and noise-optimised systems, ZF ensures reliable power transmission, reduced energy consumption and lower lifecycle costs – across all applications, from urban mobility to long-distance highspeed travel.

Chassis Systems – Stability and Safety

Complementing driveline technologies, ZF's chassis systems contribute significantly to ride comfort, safety and vehicle stability. Advanced damping solutions and suspension components are engineered to withstand demanding operating conditions while ensuring smooth and reliable operation.

These technologies enhance passenger comfort, reduce wear and support consistent performance throughout the vehicle's lifecycle.

Digital Solutions – Intelligence on Track

As rail systems become increasingly connected, digitalisation plays a central role in improving efficiency and reliability. With its connect@rail platform, ZF enables comprehensive condition monitoring of vehicles, fleets and infrastructure.

By combining sensor technology, connectivity, cloud computing, data analytics and AI, connect@rail allows operators to shift from reactive to predictive maintenance strategies. The result: reduced downtime, optimised maintenance planning and improved operational safety.

ZF Aftermarket – Maximising Lifecycle Value

Beyond product development, ZF supports rail operators throughout the entire lifecycle of their assets. With a global service network, spare parts supply and tailored maintenance solutions, ZF ensures maximum availability and long-term performance.

This holistic approach helps operators minimise costs, extend service life and maintain reliable operations in an increasingly demanding environment.

Shaping the Future of Rail Mobility

Urbanisation, growing transport demand and increasing sustainability requirements are reshaping the rail industry. Operators and manufacturers must deliver solutions that combine efficiency, reliability, comfort and environmental performance.

ZF is a strong partner in this transformation. By combining mechanical expertise with digital intelligence and comprehensive service concepts, the company delivers integrated solutions that address the full spectrum of modern rail requirements.

Whether enabling quieter urban transport, supporting highspeed travel or optimising maintenance through data-driven insights – ZF technologies are designed with one clear goal: to keep rail systems moving efficiently, reliably and sustainably.

Under the motto 'Together on Track', ZF will showcase the latest innovations in its portfolio – Including a world premiere – at this year's InnoTrans: Hall 20, Booth 580.



Together on Track: With global reach and a customer-first mindset, ZF acts as a long-term partner – reliable, responsive and future-ready

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Together on Track



Combining proven technology, global expertise and trusted partnership, ZF keeps your fleet performing at its best.

Visit ZF
at InnoTrans
Booth 580
Hall 20



ZF Rail reflects our commitment to reliable technology, uncompromising quality and long-term partnership in passenger and freight mobility worldwide. Built on a century of experience and as one of the world's leading technology suppliers for rail systems, the portfolio spans driveline technologies, chassis components, smart condition monitoring systems and a service network that safeguard availability, reduce downtime and optimize lifecycle costs. With global reach and a customer-first mindset, we act as a long-term partner – reliable, responsive and future-ready.

Learn more about us and visit [ZF.com/InnoTrans](https://www.zf.com/InnoTrans)