Future of rail with E2E global IoT services

Empowering rail networks with seamless connectivity and intelligent solutions
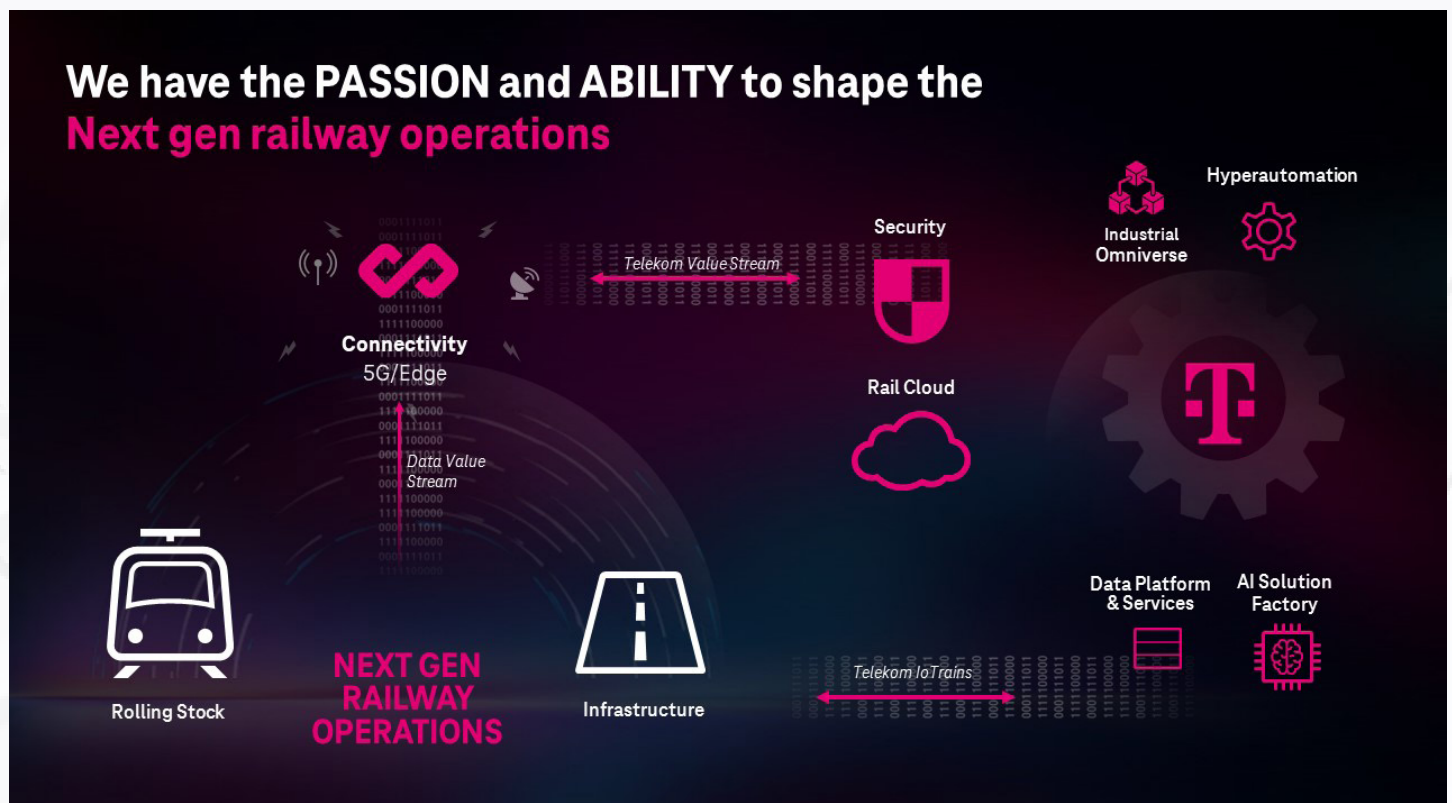
T·· Connecting your world.

In the IoT landscape, T-Systems excels, providing enterprises with a comprehensive suite of cutting-edge solutions. Through strategic partnerships with leading IoT service providers and connectivity suppliers, we deliver end-to-end solutions that enhance customer experience and tackle unique challenges, especially post-pandemic where digital journeys are paramount. Amidst complicated geopolitical situations and high energy prices, the adoption of green solutions has surged. Real-time occupancy utilization has become a priority for operators, driven by initiatives to increase passenger share and reduce emissions. Tackling large-scale customer data processing and navigating a diverse IT landscape, T-Systems offers a holistic approach to IoT implementation and management. From IoT data collection to secure information transfer, our offerings empower organizations to leverage the full potential of IoT technologies. With core capabilities in cloud, infrastructure, security, and advisory services, T-Systems provides a comprehensive solution for enterprises navigating the complexities of the IoT landscape.

Our next-gen enablers, from AI solutions to hyper-automation, drive innovation, allowing us to address these challenges seamlessly. Explore our IoT offerings for E2E outsourcing and transformative solutions in rail and transport.
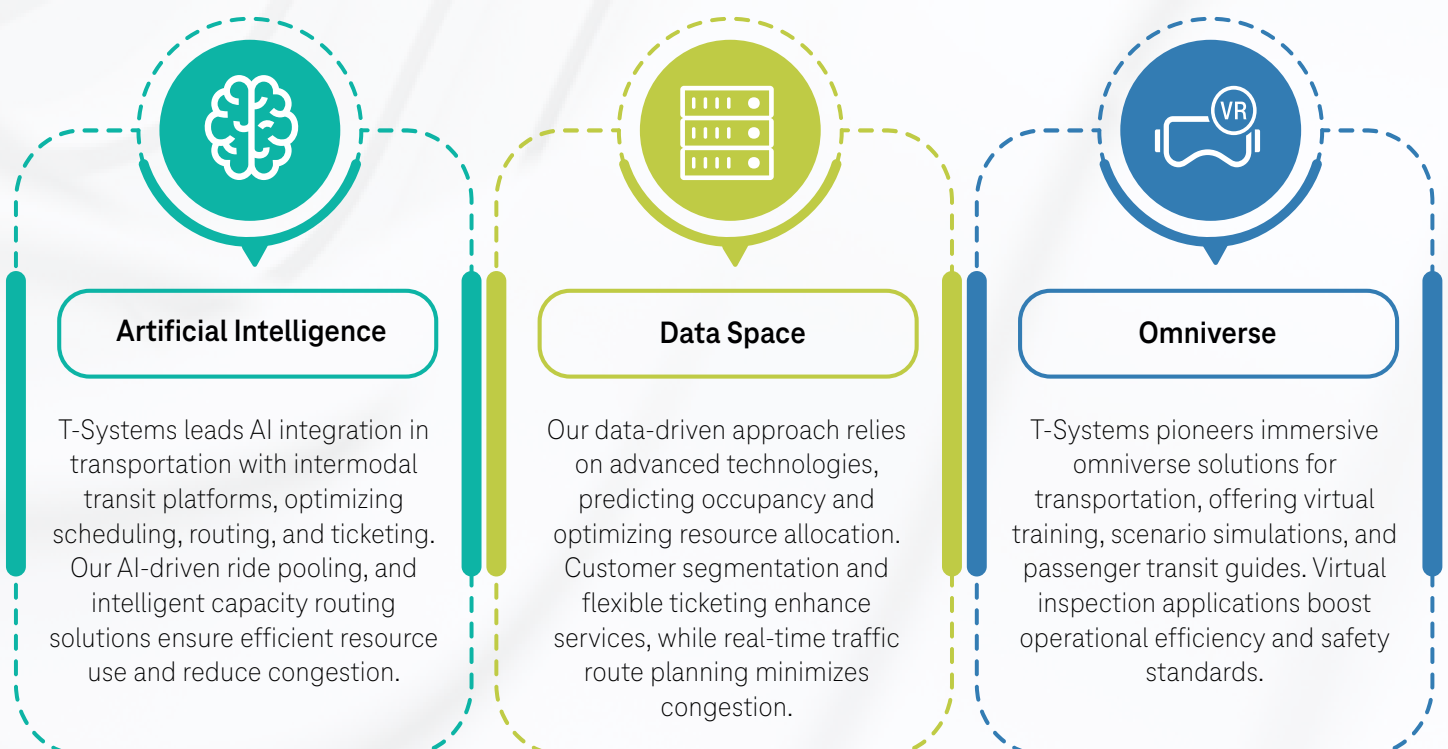

Why Choose T-Systems?

T-Systems provides advanced railway maintenance solutions, blending IoT and diagnostics for real-time monitoring and predictive maintenance. With global connectivity, scalable platforms, and robust security, we ensure seamless operations and data protection. Our expertise in AI, data spaces, and omniverse solutions drives efficiency and innovation. Choose T-Systems for transformative railway maintenance and strategic infrastructure management partnership.

With T-Systems, you gain access to

1 ## IoT Network Evolution
Stay at the forefront of IoT innovation with our cutting-edge network evolution technologies, including 2G, NB-IoT, LTE and 5G, shaping the IoT landscape of the future.

2 ## Global Availability
Benefit from our extensive global presence, ensuring connectivity in over 228 countries and territories, backed by the largest 5G network in the USA and more than 80,000 5G antennas across Germany.

3 ## End-to-End Connectivity
From motion detection to predictive maintenance and beyond, our solution supports a wide range of IoT use cases with diverse connectivity requirements, ensuring reliability and efficiency across industries.

4 ## Security & Privacy
With over 1,000 security experts and state-of-the-art cybersecurity measures we prioritize the protection of your data and infrastructure at all times.

5 ## Expert Support
Access round-the-clock support from leading IoT experts, ensuring seamless integration, optimal performance, and continuous innovation tailored to your business needs.

T-Systems in transforming transportation with Next-Gen tech:

T-Systems is reshaping transportation with cutting-edge technologies. Our AI, data spaces, and omniverse solutions are revolutionizing travel, from optimizing routes to enhancing safety and efficiency.

Artificial Intelligence

T-Systems leads AI integration in transportation with intermodal transit platforms, optimizing scheduling, routing, and ticketing. Our AI-driven ride pooling, and intelligent capacity routing solutions ensure efficient resource use and reduce congestion.

Data Space

Our data-driven approach relies on advanced technologies, predicting occupancy and optimizing resource allocation. Customer segmentation and flexible ticketing enhance services, while real-time traffic route planning minimizes congestion.

Omniverse

T-Systems pioneers immersive omniverse solutions for transportation, offering virtual training, scenario simulations, and passenger transit guides. Virtual inspection applications boost operational efficiency and safety standards.

Our ready to deploy solutions

IOT Data-as-a-Service solution for identifying infrastructure defects with AI

Partnering with NEVOMO, T-Systems introduces an IoT solution for railway maintenance. NEVOMO's system, integrated into rolling stock, identifies various of railway infrastructure defects in real-time using machine learning algorithms in real-time using AI at speeds up to 120 kph. Operating on a Data as a Service model, it promises efficient maintenance without disrupting operations.

Precise positioning solutions

Experience precise, real-time positioning with our ready-to-deploy solution. Achieve centimeter-level accuracy for diverse applications. Seamless integration, flexible deployment, and cloud-based implementation empower efficiency and safety, making the future of mobility accessible.

Experience the evolution of Railway Maintenance

Our predictive maintenance solution revolutionizes railway upkeep by seamlessly integrating with existing systems for precise defect localization. This optimizes maintenance schedules, minimizing disruptions and enhancing efficiency, ensuring optimal performance for transport networks.

Potential of 5G for IoT with Deutsche Telekom

T-Systems collaborates with Deutsche Telekom, leveraging their 5G network for IoT solutions. 5G offers faster data transfer, near real-time communication, and connectivity for mission-critical applications. With certified 5G-enabled IoT modules, companies can optimize processes, enhance infrastructure, and revolutionize healthcare delivery.

Schedule a consultation - Your path to IoT success
Experience the future of IoT with T-Systems' Managed IoT Connectivity. Contact us today to learn more about our tailored solutions, optimize your IoT infrastructure, and embark on your digital transformation journey with confidence.

Join us to see these solutions in action.

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