



CASE STUDY

IoT Solution for Railway Support Equipment:

Keeping
Operations on
Track

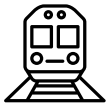


Overcoming Railway Equipment Management

A prominent railway equipment manufacturer, renowned for its high-quality maintenance of way service equipment, faced significant **challenges in ensuring machine readiness, maintaining software for remote deployment, and managing engine diagnostics and fault codes across extensive field operations.** To address these challenges, the manufacturer partnered with Elevāt to enhance their equipment's reliability and operational efficiency.

Key Transformation Objectives

Elevāt partnered with the railway manufacturer to achieve a set of objectives aimed at transforming their business operations:



Improve Equipment Readiness: Ensure that remote equipment is always ready for deployment, with minimal downtime and optimal performance.



Understand Geographic Location for Operations: Track the geographic location of equipment to optimize operations and deployment efficiency.



Improve Service and Maintenance Management: Improve service and maintenance processes to ensure reliable field deployment and compliance with maintenance schedules.



Enhance Brand Reputation and Customer Relationships: Strengthen customer relationships and brand reputation with a telematics solution that provides real-time machine insights for key stakeholders.



Elevāt IoT Implementation

Elevāt collaborated with the railway equipment manufacturer to deploy a customized IoT solution that addressed their business challenges:

Needs Assessment and Planning:

- Conducted a thorough analysis of the manufacturer's operational challenges.
- Identified business critical needs for real-time monitoring and tracking of assets and efficient maintenance processes.

Building a Custom IoT Solution:

- **Customization and Feature Alignment:** Transformed the Elevat portal with the manufacturers brand identity. Developed custom dashboards, remote diagnostics, and data sharing across subsystems.
- **Unique Product Features:** Embedded portal features such as real-time engine diagnostics, fault code management, and advanced automation system monitoring to ensure operational readiness.

Deploying the Solution:

- **Proven IoT Journey Approach:** Leveraged Elevāt's proven IoT journey approach to deploy a scalable and adaptable solution for continuous improvements.
- **OEM Ecosystem Architecture:** Deployed Elevāt's unique OEM ecosystem architecture to allow meaningful data sharing across key users and managers of the railway service equipment.

Optimization:

- Ensured ongoing system optimization to continuously improve operational efficiency and equipment performance over time.

Elevāt IoT Implementation

The implementation of Elevāt's IoT solutions brought the manufacturer a significant reduction in downtime, an increase in geographic tracking efficiency, improved maintenance processes, and enhanced data sharing capabilities. **Elevāt helped the manufacturer solve operational challenges, resulting in enhanced productivity, reduced costs, and greater customer satisfaction.**

Discover how Elevāt's IoT solutions can transform your business. Contact us today to learn about our IoT solutions and how we can help you achieve your operational goals.

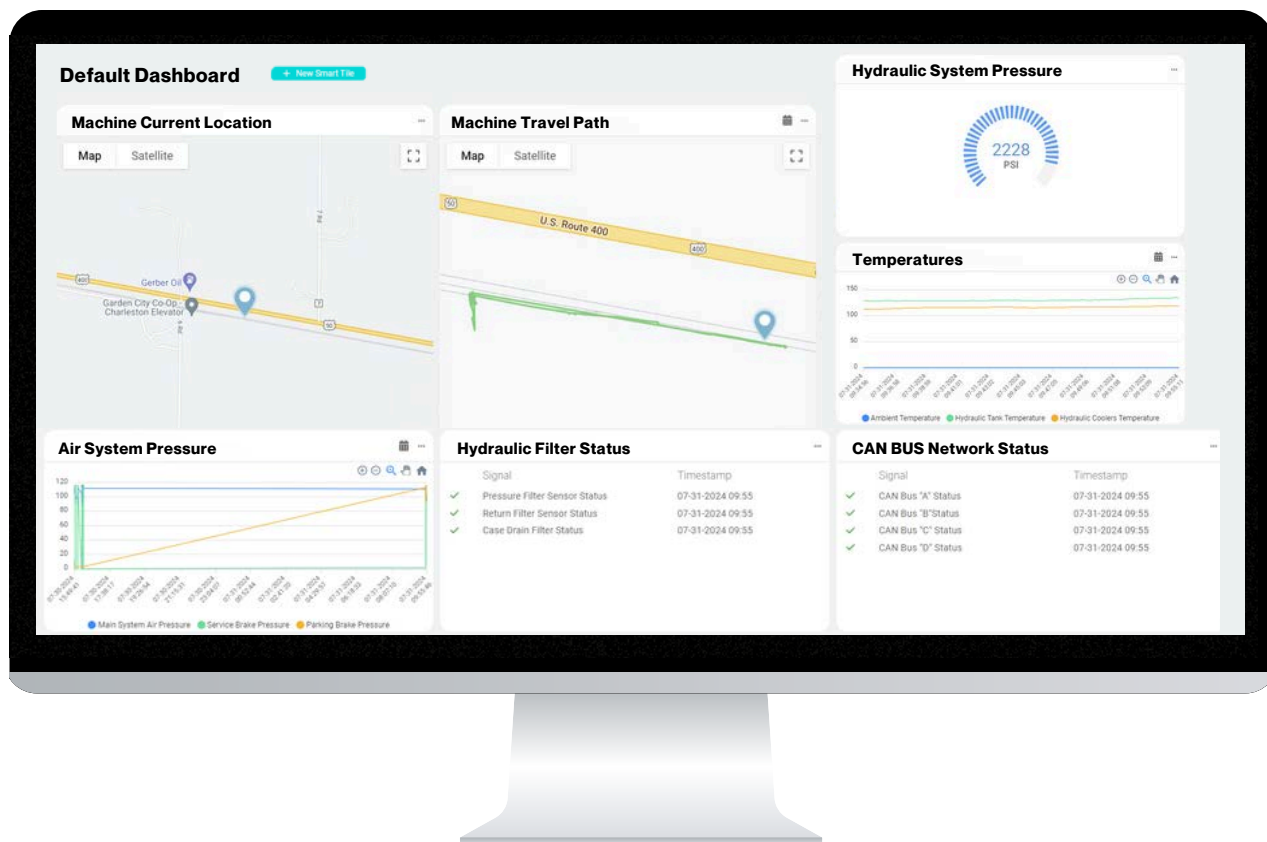


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Elevāt Web Application - Railway Health Dashboard



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