

BOOM RAIL SOLUTIONS

End-to-End Rail Solution:
From Maintenance to Operations

DIGITAL | INTEGRATED | FUTURE-PROOF



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What you need to know about Boom

INNOVATIVE SOFTWARE BUILT ON RAIL EXPERTISE

Digital rail solutions powered by industry expertise and technological excellence.



WE TALK RAIL

- Deep industry expertise
- Processes & requirements
- Technology that connects



SOFTWARE FOR YOUR REQUIREMENTS

- Standard software built on best practices
- Tailored solutions for specific needs
- Developed together. Successfully delivered.

Built from experience. Designed for rail. **Sustainable. Efficient. Future-ready.** <<

PROCESS OPTIMIZATION WITH BOOM
LESS DOWNTIME.
MORE AVAILABILITY.

This is how Boom Rail Solutions accelerates processes from stabling to return to service:

-  Seamless end-to-end workflows across the entire maintenance process.
-  Clear integration of all ECM roles and responsibilities
-  Fast access to all relevant information
-  Seamless communication and complete documentation without information loss
-  Proactive planning of maintenance activities and resources
-  Optimized downtimes, material availability, and fleet management

We deliver more than software.
WE TALK RAIL.

For more than 30 years, we have been developing specialized software for the rail industry.

We understand the industry's specific processes and requirements.

With Boom Rail Solutions, you can digitalize your processes and increase the availability of vehicles and infrastructure through sustainable operational improvements.

YOUR BUSINESS.
YOUR PROCESSES.
YOUR RAIL SOLUTION.



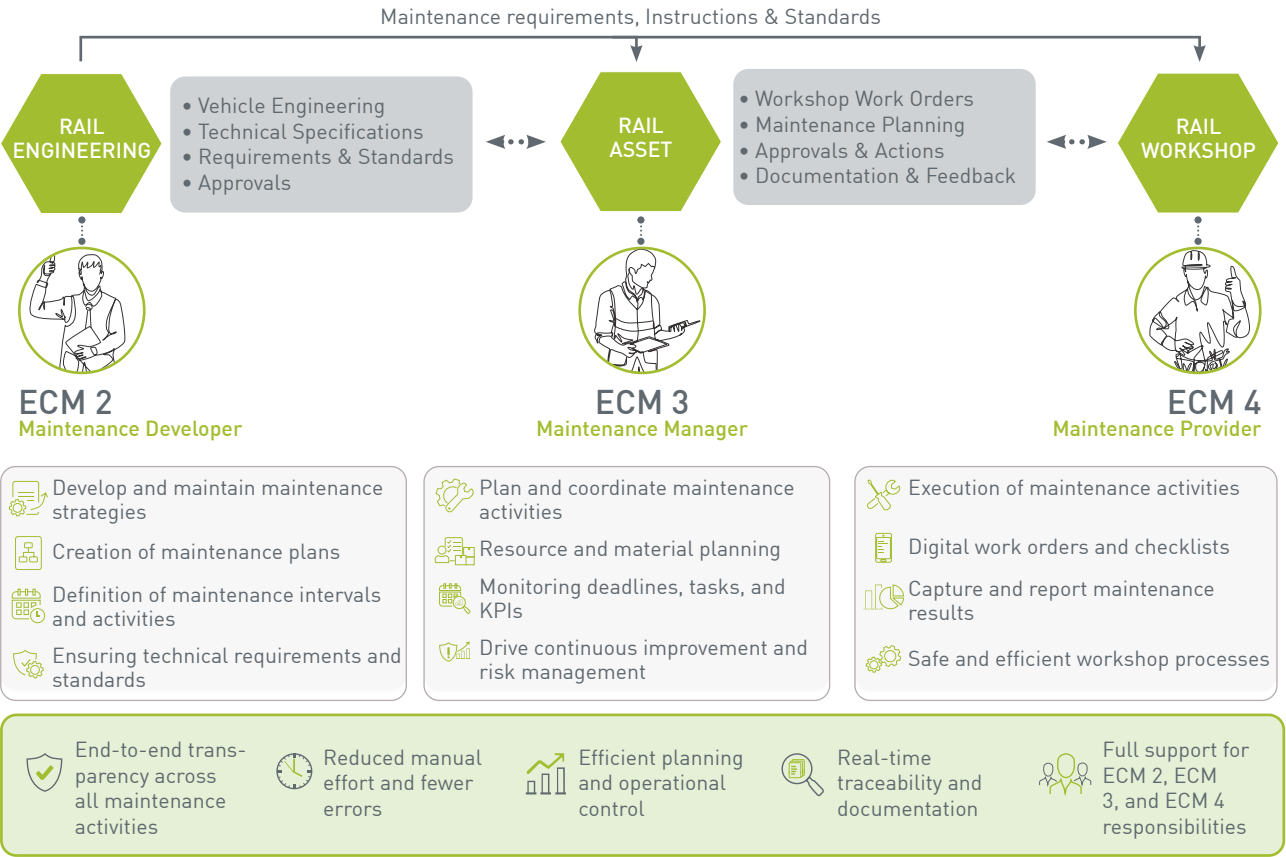
ECM: FROM COMPLIANCE TO OPERATIONAL EXCELLENCE

Organizations that want to meet ECM requirements efficiently need connected processes and complete transparency.

Boom Rail Solutions digitalizes maintenance management across the entire asset lifecycle and brings all relevant information together in a single platform. This enables ECM 2, ECM 3, and ECM 4 organizations to collaborate seamlessly, streamline planning and execution, reduce administrative effort, and ensure safe, compliant, and efficient rail operations.

ECM PER DESIGN

Digital processes for safe, compliant, and efficient rail operations.



ONE SOLUTION. ENDLESS POSSIBILITIES. SUSTAINABLE DIGITALISATION FOR THE RAIL INDUSTRY

Boom Rail Solutions is purpose-built for the rail industry. Designed around a modular architecture, the platform supports your maintenance, asset management and operational processes today, while providing the flexibility to evolve with future requirements.

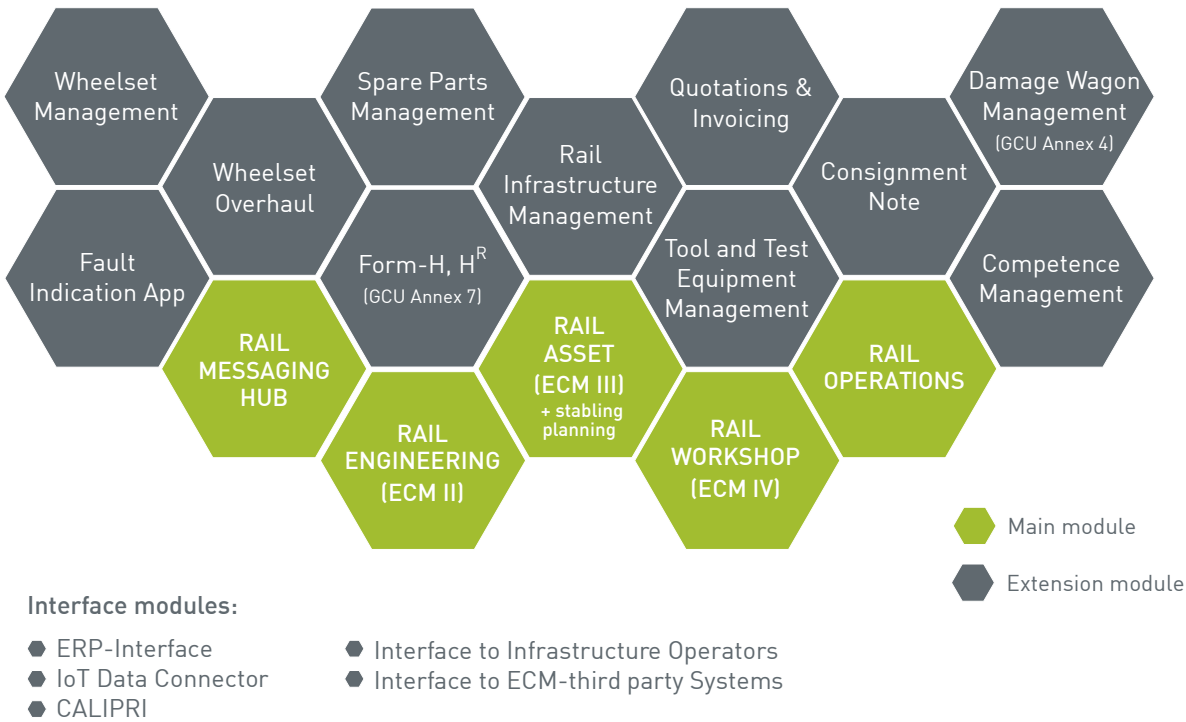
Additional functions and modules can be introduced whenever needed, without disrupting established workflows. The result is a future-ready solution that grows with your organization, protects your investment and delivers long-term value.

START TODAY.
SCALE TOMORROW.
On-premises or in the Cloud

Use exactly the functionality you need today and expand your solution as your requirements evolve.

No system hopping. No limitations.

TRANSFORMING PROCESSES INTO DIGITAL SOLUTIONS



RAIL ASSET

FOCUS ON THE VEHICLE



TARGET GROUPS



Manufacturers



Owners



Lessors



Operators

THE RAIL-SPECIFIC ASSET MANAGEMENT FOR

VEHICLES
COMPONENTS
INTANGIBLE ASSETS

Optimized Maintenance Planning

(corrective | preventive | condition-based | user-based)

Efficient planning of workshop visits based on operational and maintenance requirements, including predictive calculation of future maintenance schedules.

Complete Traceability

The digital vehicle record documents all relevant events throughout the lifecycle of a rail vehicle, ensuring full traceability and supporting ECM-oriented processes.

A 360° View of Your Rolling Stock

Access all technical, operational, logistical and commercial vehicle data, including component information, from a single central source.

Structured Damaged Vehicle Management

Standardized damage codes enable accurate capture of defects and incidents, providing the foundation for efficient maintenance planning and condition monitoring.

Seamless Integration with Third-Party Systems

Connect ERP systems and import wheelset measurement data, mileage information, operational counters, fault reports and other operational data through standardized interfaces.

YOUR BENEFITS AT A GLANCE

Rail Asset combines operational efficiency with strategic transparency.



ASSET MANAGER (ECM 3)

- Support in fulfilling ECM responsibilities
- Optimal maintenance planning
- Documentation in accordance with applicable standards
- Lifecycle cost optimization
- Continuous thematic and technical development of the solution
- Mean time to repair optimization



FLEET MANAGER

- Vehicle availability up to 100%
- Minimization of downtime
- Increase in customer satisfaction



EXECUTIVE BOARD

- Customized reports as the basis for investment decisions
- Pilot workshop provides investment security
- Cost savings through process optimization of up to 20%
- Data foundation for risk management



INFORMATION TECHNOLOGY

- Continuous development of the solution by Boom (both functionally and technically)
- Cloud or on-premises deployment options
- Scalability
- Integration with third-party systems
- ISO 27001:2022 certification
- Resource-efficient implementation process

NORM-BASED WHEELSET MANAGEMENT

Optimizing Wheelset Lifecycles through Condition Monitoring in accordance with EN 15313



Boom Wheelset Management supports the monitoring, assessment and optimization of wheelsets throughout their entire lifecycle in accordance with EN 15313.

As an extension module for Rail Asset, it provides complete visibility into wheelset condition, reduces manual effort and supports informed maintenance and lifecycle decisions.

WHEELSET DATA WHERE YOU NEED IT. WHEN YOU NEED IT. STANDARD INTERFACE TO CALIPRI

Automatically capture wheelset measurement data from CALIPRI devices and digital measurement reports without manual data entry. All measurements are assigned to the correct wheelset, centrally documented, and immediately available for analysis and decision-making.

Built-in threshold values enable rapid condition assessment and instantly highlight required actions. This reduces administrative effort, improves data quality, and helps maintenance teams respond faster and more efficiently.



Holistic Mapping

Comprehensive digital representation of all wheelsets



Wear Forecasting

Improved planning through reliable wear predictions



Interfaces to Measuring Devices

Flexible integration with various measurement systems



Automated Data Import

Automatic import and structured assignment of measurement data to each wheelset



Predefined Threshold Tables

Threshold values provide insights into remaining service life



Full Traceability

Installation and maintenance documentation at asset and component level

PREDICT WEAR. PLAN AHEAD. FROM WEAR ANALYSIS TO MATERIAL REQUIREMENTS



Gain deeper insight into wheel wear and remaining service life through intelligent wear forecasting. By combining measurement data with operational wear patterns, maintenance activities can be planned more accurately, wheel life can be utilized more effectively, and replacement materials can be procured at the right time.

RAIL WORKSHOP

ECM-ORIENTED MAINTENANCE MANAGEMENT



TARGET GROUPS



Integrated
Workshops



Independent
Workshops



Mobile
Service Teams

STREAMLINING AND DIGITALIZING THE WORKSHOP PROCESS

The Paperless Workshop

From job creation and planning through to mobile execution and digital documentation, Rail Workshop supports seamless, largely paperless maintenance workflows, helping teams work more efficiently and consistently.

Focus on What Matters Most

Optimized information and documentation workflows reduce administrative effort and ensure that crucial information is available exactly when and where it is needed.

For Integrated and Independent Workshops as well as Mobile Service Teams

Rail Workshop supports a wide range of maintenance organizations in reducing turnaround times, making better use of available capacity, and increasing overall productivity.

Flexible Licensing Without User Limits

A function-based licensing model provides flexibility and cost predictability, regardless of the number of users.

YOUR BENEFITS AT A GLANCE

Rail Workshop brings together efficient maintenance processes, optimized resource planning, and complete operational transparency in a single solution.



WORKSHOP MANAGER (ECM 4)

- Support in fulfilling ECM responsibilities
- Improved planning and traceability
- More efficient resource utilisation
- Optimized capacity and workload planning
- Mobile access to relevant information
- Reduced stabling and turnaround times



MAINTENANCE TECHNICIANS

- Reduce administrative workload by up to 20%
- Shorter waiting times
- Mobile work order management
- Integrated material and time recording
- Access to real-time information
- Efficient digital documentation



EXECUTIVE BOARD

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INFORMATION TECHNOLOGY

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ECM CONNECTOR

From Workshop Search to Release to Service



Connecting fleet managers and workshops through one independent platform. From workshop sourcing and work order management to maintenance feedback and return-to-service approval, collaboration remains transparent, standardized, and fully traceable.

MADE FOR RAIL. BUILT TO CONNECT.

BRINGING MAINTENANCE MANAGERS AND WORKSHOPS TOGETHER MORE THAN JUST A WORKSHOP DIRECTORY

The ECM Connector connects Europe's railway maintenance ecosystem on a vendor-independent platform. Workshops can showcase their capabilities and available capacities, while ECM 3 organizations can quickly identify suitable partners, assign work, and manage the entire information flow centrally.

From workshop search and work order management to maintenance feedback and return-to-service approval, every step of the process is supported digitally on a single platform, ensuring transparency, consistency, and full traceability.



Find the right workshop faster

Quickly identify certified workshops through a digital workshop marketplace.



Direct work order management

Send requests and maintenance orders directly to suitable service providers.



Centralized communication

Keep all information, feedback, and documentation in one place.



Transparent processes

Every step remains documented and fully traceable.



ECM-oriented data exchange

Standardized workflows support compliance with ECM requirements.

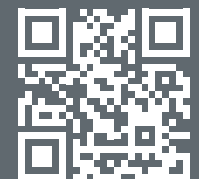


Reduced downtime

Faster coordination reduces administrative effort and accelerates maintenance processes.

JOIN THE ECM PLATFORM IN JUST THREE STEPS

1. Complete the registration form
2. We review and verify your registration
3. Your account is activated



Scan QR Code & get started

RAIL ENGINEERING

ONE VEHICLE. ONE RECORD. CLEAR
MAINTENANCE REQUIREMENTS.



TARGET GROUPS



MAINTENANCE STANDARDS & REQUIREMENTS: BORN DIGITAL.

Centrally manage Maintenance Requirements and Technical Standards

Rail Engineering serves as the central source of truth for maintenance requirements, technical standards, and engineering documentation. Rail Engineering provides comprehensive management of:

- Vehicle categories and series
- Component structures
- Maintenance types
- Maintenance strategies
- Damage catalogs
- Work processes
- Checklists
- Bills of materials
- Qualifications
- Types of tools

Maintain, Monitor, and Refine Standards

Rail Engineering supports fleet monitoring, the continuous improvement of maintenance requirements, and the complete documentation of tests, modifications, and engineering changes. This ensures that maintenance specifications remain current, controlled, and easily accessible throughout the vehicle lifecycle.

Seamless Processes from ECM 2 to ECM 4

Together with Rail Asset and Rail Workshop, Rail Engineering creates a continuous information flow. Technical vehicle data and maintenance requirements are managed centrally, shared automatically, and documented consistently across all ECM functions.

YOUR BENEFITS AT A GLANCE

One continuous process, a single source of truth, and greater transparency for everyone involved.



MAINTENANCE ENGINEER (ECM 2)

- Support in ECM responsibility
- Real-time asset information
- System-level support for monitoring
- Detailed documentation of tests, reconstructions and modifications
- Optimization of Mean Time to Failure



ASSET MANAGER (ECM 3)

- Complete, always up-to-date ECM 2 requirements
- Transfer of a comprehensive vehicle file



WORKSHOP MANAGER (ECM 4)

- Complete, always up-to-date ECM 2 requirements



EXECUTIVE BOARD

- Customized reports as the basis for investment decisions
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INFORMATION TECHNOLOGY

- Continuous development of the solution by Boom (both functionally and technically)
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- Resource-efficient implementation process

MAIN MODULE



ALSO AVAILABLE AS
A MOBILE APP

RAIL OPERATIONS

OPTIMIZED TRANSPORT MANAGEMENT
FOR RAIL FREIGHT OPERATIONS



TARGET GROUP



Operators

PROCESS-DRIVEN. INFORMED. EFFICIENT.

Seamless workflows
for your train operations

Rail Operations delivers role-specific information and guides employees through the relevant process steps. This simplifies workflows and can accelerate train preparation by at least 10%.

Managing and Controlling Transport Requirements

Capture transport requirements in a structured way and efficiently manage related operational tasks and workflows.

Support for TSI Requirements

Rail Operations is aligned with current railway regulations and is continuously updated to reflect evolving industry requirements.

Supporting Every Step of Train Operations



Complete visibility of train composition



Guided workflows based on operational status



Fast and reliable generation of transport documents (wagon list, brake note, consignment note)



Efficient digital recording of wagon damage

YOUR BENEFITS AT A GLANCE

Everyone works with the same real-time information.

Dispatcher

Structured consolidation of information with a clear overview of resource requirements and availability.

Wagon technician

Provision of data and forms for damage documentation.

Operations Manager

Control and monitoring of safety-critical processes.

Foreman shunter

Access to transport and operating requirements.

Machine operator

Integrated into the operational information flow.

Inspector

Review and processing of data directly at the train.

Locomotive driver

Access to all relevant information from preparation through to task execution.

THE RIGHT INFORMATION. AT THE RIGHT TIME.
IN THE RIGHT QUALITY. IN THE RIGHT PLACE.



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RAIL MESSAGING HUB

**CAPTURE DISRUPTIONS CENTRALLY.
DISTRIBUTE INFORMATION EFFECTIVELY.
ACCELERATE PROCESSES.**



TARGET GROUPS



Operators



Infrastructure

END-TO-END DIGITAL INCIDENT MANAGEMENT.

One digital workflow from
reporting to resolution.

The Right Information, at the Right Time, in the Right Place

Capture incidents quickly, route them efficiently, and manage them with transparency. The Rail Messaging Hub consolidates all reports in a central platform and automatically steers the flow of information to the appropriate stakeholders. Clear responsibilities, faster response times, and complete traceability ensure an efficient handling process from start to finish.

Event-Based Incident Management

Automated distribution lists reduce manual communication efforts and ensure that information reaches the right people. Related reports can be grouped into a single event, providing a clearer overview and enabling more efficient resolution.



Create complete and compliant incident reports



Centralized management of role-based reporting templates



Full traceability throughout the entire reporting process



Automatic status updates for report creators

YOUR BENEFITS AT A GLANCE

Full visibility and traceability from incident reporting to resolution.



CONTROL CENTER MANAGER

- Full visibility of incidents, deviations, and processing status
- Automated distribution of information to relevant stakeholders
- Faster response times through clear responsibilities and status updates



INCIDENT REPORTER

- Support for quick and easy incident reporting
- Automatic routing of information to the right people
- Full visibility of processing status at all times



TRAFFIC CONTROLLER

- Associate all related reports with a single event
- Link photos, reports, feedback, and related information to a single event
- Rapid information sharing with all relevant departments through distribution groups



EXECUTIVE BOARD

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INFORMATION TECHNOLOGY

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MOBILE FAULT INDICATION APP

Fast Incident Reporting – Simple, Mobile, and on-site



Train drivers, conductors, and machine operators can record damage, faults, and other incidents directly at the vehicle. The mobile app guides users through a structured reporting process, enabling reports to be created quickly and efficiently anytime, anywhere, and in just a few steps.

EVERY REPORT REACHES ITS DESTINATION EFFICIENT COMMUNICATION THROUGHOUT THE REPORTING PROCESS

The mobile incident reporting app guides users through the reporting process quickly and intuitively. Relevant vehicle and component data, damage categories, and operational restrictions are available for selection, ensuring consistent and accurate reporting. Vehicles can be identified using a QR code,

while GPS position data and photos can be added instantly. Completed reports are automatically transferred to the Rail Messaging Hub and distributed to the responsible stakeholders. Existing reports are immediately visible, helping to avoid duplicate entries and improve coordination.



Platform Independent
For Android and iOS



Flexible Deployment
Cloud or on-premises



Manufacturer Independent
Suitable for vehicles from different manufacturers



Can be Extended as Required
Flexible extension of functions and organizational processes



Open Interfaces to Third-Party Systems
Enhancing interoperability and integration capabilities



Highly Scalable
Designed for large user bases and organizations
(>40,000 active users)



FLEXIBLE AND SCALABLE CUSTOMIZABLE TO YOUR ORGANIZATIONAL AND OPERATIONAL REQUIREMENTS

The application's flexible architecture allows it to be extended both functionally and organizationally, making it suitable for a wide range of operational scenarios. Features such as digital handover logs, shift planning, and process-specific extensions support more efficient workflows and collaboration. The solution can also be adapted to existing IT infrastructures and business processes, ensuring a tailored fit to the individual needs of each organization.

DEPOT MANAGEMENT

Managing the Depot as One Connected Process



Vehicles, tracks, maintenance activities, and operational processes must work together seamlessly within the depot. Depot Management connects these areas into a single digital workflow, from arrival and stabling through shunting and maintenance to return to service.

VEHICLE MANAGEMENT AND COORDINATION IN THE DEPOT MORE CAPACITY THROUGH INTELLIGENT DEPOT MANAGEMENT



Everything at a Glance

Where is each vehicle located? Which tracks are available? What tasks are pending? Depot Management consolidates all relevant information into a single view, providing complete operational transparency across the depot.



Fully Automated Stabling Planning

Stabling locations are automatically suggested based on vehicle characteristics, infrastructure constraints, and operational requirements. This maximizes track utilization, reduces planning effort, and ensures vehicles are available when needed.



Optimized Shunting Operations

A graphical, true-to-scale representation of infrastructure and vehicles enables efficient planning and management of shunting activities. Unnecessary movements are reduced, helping to streamline depot operations.



Make the Most of Available Capacity

Tracks can be allocated, rented, and managed efficiently. Service usage and utilization are documented transparently, providing a reliable basis for planning and billing.

PLAN DEPOT OPERATIONS PROACTIVELY OPTIMIZE RESOURCES. STREAMLINE OPERATIONS.



Real-time operational data and automated planning recommendations help dispatchers respond quickly to changes. Potential conflicts become visible at an early stage, alternatives can be evaluated faster, and vehicles can be reliably prepared for their next assignment.

RAIL INFRASTRUCTURE MANAGEMENT

Putting Railway Infrastructure at the Centre of Operations



Rail Infrastructure Management brings together infrastructure data, asset conditions, maintenance activities, and work orders in a single digital platform. This creates greater transparency, supports proactive maintenance planning, and provides a reliable basis for decision-making throughout the entire asset lifecycle.

SIMPLE. CONSISTENT. CONNECTED. FOR EFFICIENT RAIL INFRASTRUCTURE MANAGEMENT



Digital Management of Your Railway Infrastructure

Manage railway infrastructure assets and their components in a structured and centralized way, including track, substructure, signalling systems, power supply, service facilities, and stations.



A 360° View of Your Infrastructure Assets

Technical data, asset conditions, maintenance records, and documented activities provide a complete picture of your infrastructure, supporting informed decisions throughout the entire asset lifecycle.



Optimized Maintenance Planning

Plan and monitor inspections and maintenance activities efficiently. Potential issues can be identified early and translated directly into corrective actions and work orders.



Integrated Work Management

Personnel, materials, tools, and schedules are coordinated within a single process. Relevant information is provided directly to field teams, while completed work, measurement results, and resource usage are fed back automatically, ensuring transparency, complete documentation, and a reliable basis for future planning.

MAINTENANCE IN THE FIELD WORK MOBILE. COMPLETE TASKS EFFICIENTLY.



The mobile maintenance solution supports technicians in executing inspections and maintenance activities directly on site. Work orders, checklists, asset data, and feedback are available digitally in the field, enabling efficient execution, complete documentation, and seamless integration into the overall maintenance process.

EXTENDED EXPERTISE FOR YOUR PROJECTS

OUR JOINT VENTURES

Together with our joint venture partners, we expand our expertise in vehicle and component testing, infrastructure management, and track construction. By combining our digital know-how with the domain expertise of our partners, we deliver specialized solutions tailored to the needs of the rail industry.



INFRASTRUCTURE

voestalpine **DIGITAL TRACK MANAGEMENT**

A joint venture between voestalpine Railway Systems and Boom. It focuses on the digitalization of railway infrastructure maintenance. The solution supports digital asset management, condition-based maintenance, real-time data availability, and complete traceability of infrastructure assets, components, and maintenance activities.



Predictive Maintenance



Digital Twin



Condition Monitoring



Learn more



TRACK CONSTRUCTION

RAILium **MACHINE MANAGEMENT**

A joint venture between Rhomberg Sersa Rail Group and Boom. RAILium supports the efficient operation of track construction machinery by connecting all relevant processes within a single platform. The solution creates seamless workflows and supports the effective management of ECM responsibilities.



Machinery Management



Resource Planning



Competence Management



Transport Management



Learn more



TESTING FACILITIES

INFRATRACK **SOLUTIONS GMBH**

A joint venture between PJ Messtechnik and Boom. INFRATRACK provides a unique testing and innovation environment for railway vehicles, components, and infrastructure. Modern testing methods, real-world operating conditions, and digital technologies create ideal conditions for development, testing, and validation.



Vehicle weighing



Stabling tracks for rail vehicles



Infrastructure for mobile maintenance and service work



Learn more

KEEPING EUROPE'S RAILWAYS ON TRACK. EVERY DAY.



CUSTOMER EXPERIENCES. REAL RESULTS. WHAT OUR CUSTOMERS SAY

"We greatly appreciate Boom's approach and welcome the fact that we are actively involved in the development process in order to further develop the standard together with Boom. This benefits not only us, but also other workshops."

RAILPOOL
LOKSERVICE

"Boom's comprehensive standard solution allows us to manage our processes more efficiently and respond swiftly when needed. We are particularly impressed with their approach to customer-specific adaptations, which are implemented quickly and cost-effectively through complete customization."

SALZBURG AG

"Boom has proven to be a strong and reliable partner in our digital transformation journey. Their software solution supports our organization across a wide range of processes, while its intuitive design has driven excellent user adoption throughout the company."

StB

"Boom understood our requirements precisely throughout the entire process and collaborated with us to develop a workshop solution that not only meets our needs and processes but is also 100% ECM-supporting. Additionally, it enhances usability in our daily workshop operations – and all within an impressively short time frame."

LOCMASTA
LOCOMOTIVE MAINTENANCE SYSTEM

INTELLIGENT DAMAGE WAGON MANAGEMENT FOR OPTIMAL ROUTING



© Deutsche Bahn AG / Oliver Lang

Fully automated routing of over 200,000 freight wagons to the correct workshop

For DB Cargo AG, the systematic routing of its freight wagons to the appropriate workshops is of central importance. The extensive rail network and the large number of wagons result in complex logistical requirements that complicate the maintenance process. DB Cargo AG has identified significant potential for optimization in this area, which is why this process is an integral part of its digitalization strategy.

As part of this strategy, DB Cargo AG commissioned Boom Software to digitalize and optimize the entire process of damaged wagon management from damage recording and workshop

management through to recommissioning. DB Cargo AG provided the system requirements for its intelligent damaged wagon management, while Boom Software was responsible for its development and implementation in line with these specifications.

In this project, a customized solution was developed for DB Cargo AG, with the primary goal of maximizing the availability of freight wagons by minimizing the downtime of each individual wagon.

END-TO-END ECM DOCUMENTATION FOR WORKSHOP OPERATIONS



© ETL Lokservice GmbH

Maximum efficiency in meeting ECM requirements

The drive-in locomotive workshop “LOCMAS-TA”, which opened in 2022, has been using the workshop solution “Rail Workshop” from Boom Software since its official commissioning. The company’s aim was to implement a software solution for its workshop before the upcoming certification audit in order to realistically represent the future working environment in the workshop during the audit.

Given the tight schedule, the company opted against developing custom software and instead looked for a standard solution that would be ready for immediate use in its basic functiona-

lity and requires only minimal adaptation time. One of the defining factors was that the selected standard solution should fully cover all essential core processes and at the same time fully support the ECM regulation requirements.

With Rail Workshop, Boom’s digital workshop management system, the entire process from incoming inspection to operational release is carried out in accordance with ECM specifications. This not only facilitates order planning, but also optimizes the work processes on the vehicle and lead times.



COMPLETE LIFECYCLE MANAGEMENT OF ROLLING STOCK

© National Express Rail GmbH

Central master data administration and consistent documentation

Reliability and fleet availability play a central role at National Express Rail GmbH in order to ensure uninterrupted operations. Their vehicles are maintained by external workshops.

At National Express, maintenance management is handled digitally using a solution from Boom Software. The core elements include central master data administration and comprehensive documentation of maintenance activities. In addition to fundamental data such as UIC and serial numbers, commissioning date and manufacturer, all built-in meters on the vehicle are logged. The

entire structure of the components, including their master data, is also fully documented. This allows the company to maintain a comprehensive overview of the condition of the vehicles and generate maintenance orders based on both the manufacturer intervals and condition reports.

National Express Rail GmbH always has complete and up-to-date life cycle files for its vehicles. In the event of incidents, the company can react quickly and thus promote trouble-free operation.



RELIEVING EMPLOYEES SO THEY CAN FOCUS ON THE CORE BUSINESS

© Northrail GmbH

Intuitive software for Northrail and Northrail Fahrzeugverwaltung

Northrail and Northrail Fahrzeugverwaltung needed a comprehensive digital transformation to ensure ECM-oriented technical documentation and to manage maintenance activities for rail vehicles in a timely manner and in compliance with regulatory requirements including the planning, scheduling, and execution of these activities.

Boom Rail Solutions was chosen primarily due to its exceptional level of standardization, which aligns seamlessly with ECM regulations. For Northrail and Northrail Fahrzeugver-

waltung, opting for standard software offered significant benefits, including the fact that – compared to a customized solution – far fewer personnel resources were required for development. Additionally, this choice allowed for a shorter project timeline, enabling faster implementation and quicker realization of operational improvements.

As a result of the transition to Boom Rail Solutions, existing work processes relating to administrative activities have been simplified and the number of clicks involved in handling technical documentation has been reduced.

BOOM SOFTWARE

30 years of expertise in digital transformation for complex processes



Established
1995



Employees
100



Turnover
15 million



Certification
ISO 27001:2022



Trusted by Industry Leaders across
Rail & Public Transportation
Manufacturing Industry
Service Management



Joint Ventures
voestalpine Digital Track Management GmbH
(together with voestalpine Railway Systems)
INFRATRACK Solutions GmbH
(together with PJ Messtechnik GmbH)
RSRG & BOOM GmbH
(together with Rhomberg Sersa Rail Group)



Headquarters
Leibnitz, Austria

Offices
Graz, Austria
Oldenburg, Germany

MORE THAN SOFTWARE. EXPERIENCE YOU TRUST. PARTNERSHIP YOU VALUE.



EXPERTISE

- 30+ years of experience in digitalizing rail processes
- Deep industry knowledge and trusted partnerships
- In-depth understanding of rail-specific regulations, standards, and requirements



TECHNOLOGY

- FLEXIBILITY**
Standard and tailored solutions, modular design, and flexible customization through Total Customizing
- USER EXPERIENCE**
Integrated platform, responsive design, intuitive usability, and multilingual
- FUTURE-READY**
Cloud or on-premises deployment, scalable architecture



PROJECT & SUPPORT

- Rapid prototyping through dedicated pilot workshops
- Support for data analysis and data preparation
- Continuous enhancement of functionality and technology
- Professional support backed by experienced experts



RELIABILITY

- Strong international partner network
- High information security standards (ISO 27001 certified)
- Proven implementation approach designed to minimize resource demands

REDUCING EFFORT. ACCELERATING PRODUCTIVITY.

With a structured implementation approach and secure data migration, we accelerate your path to productive operations.

PROJECT DELIVERY & SUPPORT



Personal guidance throughout all project phases, from preparation to successful go-live and day-to-day operations.

- Dedicated project leadership and clear communication channels
- Workshops, alignment sessions, and hands-on process consulting
- Collaborative go-live preparation to ensure a smooth transition

DATA ASSESSMENT & PREPARATION



Existing data is analyzed, cleansed, and structured to ensure optimal use within Boom Rail Solutions.

- Analysis of data sources, structures, and data quality
- Data cleansing, mapping, and migration planning

LEGACY DATA MIGRATION



Relevant operational and historical data is selectively migrated to ensure information remains available and accessible.

- Secure transfer of business-critical data and documentation
- A validated data foundation for a successful go-live



Faster
implementation



Higher
data quality



- Efficient use of resources

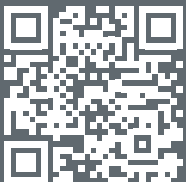
Making implementation more predictable, reducing effort, and accelerating time to value.

PUT YOUR THOUGHTS ON TRACK

BOOM

TRANS_{RAIL BUSINESS} FORMING

Scan
to learn
more



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