We are fixing Railway
OUR PROJECT.
OUR PROJECT

We are fixing Railway.

Railnova **solves the data access problem**: our Railster hardware platform can easily be configured to read data from any manufacturer, field bus or analog sensor.

Railnova **brings fleet management into the internet age**: our Railfleet software fills the gap between asset data and maintenance management systems. Operators, Maintainers and Lessors can efficiently manage mixed fleets, and turn asset data into predictive alerts, set up condition based maintenance orders and automate ECM day to day management. The Railfleet open APIs enable clients to push work orders to their existing maintenance management systems or their external partner systems.
WHAT WE OFFER
Solving the data access problem
<table>
<thead>
<tr>
<th>Knowledge is power, especially in Railway.</th>
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<td>Knowledge is power, especially in Railway.</td>
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<tr>
<td>So why act blindly when it comes to fleet operations and maintenance?</td>
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<tr>
<td>Capture data from any manufacturer, field bus or analog sensor and leverage this whole new wealth of data to optimise your business.</td>
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Bringing fleet management into the Internet age
START ACTING ON YOUR DATA

Start acting on your acquired knowledge.

Accessing data is one thing, now it's time to start acting on your acquired knowledge.

Bridge the gap between asset data and maintenance management systems to improve equipment reliability, minimize unscheduled downtime and reduce the cost of asset failures.
HOW VFLI IS TURNING ASSET DATA INTO PREDICTIVE ALERTS.
## Challenge
Unforeseen inline failures disrupted and delayed VFLI's rail operations.
VFLI wanted to reduce the number of unexpected inline failures and the cost of their assets not being available.

## Solution
VFLI tracks critical parameters on their assets and determines a set of rules and alerts to prevent possible inline failures. Employees are notified by mail so they can take appropriate actions.

## Benefits
Using Railnova it has become easier to track parameters such as temperature, battery voltage and more, and to notify employees in time (based on predefined rules) to prevent possible inline failures.
HOW B-LOGISTICS IS MANAGING THEIR MIXED FLEET MAINTENANCE.
## HOW B-LOGISTICS IS MANAGING THEIR MIXED FLEET MAINTENANCE

<table>
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<tr>
<th>Challenge</th>
<th>Solution</th>
<th>Benefits</th>
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<td>A mixed train fleet and multiple maintenance partners made it difficult to properly monitor the fleet and to coordinate maintenance for optimum fleet availability (and cost reductions).</td>
<td>BLogistics connects its locomotives to gather and send data to optimise preventive maintenance. The organisation shares this information with partners to plan for corrective and preventive maintenance.</td>
<td>Using Railnova it has become a lot easier to follow up on the condition of BLogistics' mixed fleet based on actual data, and to streamline maintenance with partners for optimum asset availability.</td>
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HOW EUROPORETE IS AUTOMATING ECM DAY-TO-DAY MANAGEMENT.
## HOW EUROPORTE IS AUTOMATING ECM DAY TO DAY MANAGEMENT

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<td>Europorte has a mixed fleet and works with 5 external maintenance partners.</td>
<td>Europorte connects its Electric and Diesel locomotives to gather and send data to optimise condition-based maintenance. They share their assets’ data with their maintenance partners for streamlined fleet operations.</td>
<td>Europorte is now able to accurately monitor usage counters to plan for condition-based maintenance. Through the Railfleet platform they can now easily supervise asset maintenance and better coordinate with their partners.</td>
</tr>
</tbody>
</table>
OUR TECHNOLOGY.
Railster: plug-and-play hardware
RAILSTER: OVERVIEW

- Designed in-house
- Modular & expandable
- Multi-asset & multi-component
- Non-intrusive remote monitoring
- Railway certified: EN 50155, NFF 16 101
- Easy to install
- Reliable transmission of data
RAILSTER: FEATURES

• **Connects** with CAN, MVB, RS232, Profibus, J1939, ...
• **Internal rechargeable battery** for continuous data gathering and transmission
• **Communication** through GPRS, Wifi, Ethernet, USB
• **16GB** local storage
• **External sensors**: battery, fuel, temperature, ...
• **Internal sensors** that detect vibration, temperature, external
Railfleet: SaaS platform
RAILFLEET: OVERVIEW

• Online platform, developed in-house
• Full overview of fleet operations
• Easy integration with maintenance management systems
• Data analysis & downloading of reports
• Datasharing with colleagues and partners
RAILFLEET: FEATURES

- **Map**: know the exact location and status of your assets
- **Operational status** of your assets
- **Data inspector**: view dynamic graphs of the parameters you're tracking
- **Download reports** and view aggregated data
RAILFLEET: FEATURES

- **Track recent activity**: view the logs of all events
- **Send alerts** and notifications via email
- **Remotely assign** Railsters to locomotives once installed
- **Send & receive maintenance notifications** and keep track of preventive maintenance cycles
ABOUT RAILNOVA.
We give you full control and visibility over your entire fleet.

Railway operators, lessors and maintainers need a way to easily monitor their mixed fleet condition and to coordinate their operations and maintenance with partners.

That's where Railnova comes in: founded by true rail entrepreneurs, Railnova offers the best rail telematics solution in the rail industry.

Using a combination of Railnova's plug-and-play monitoring device and online software platform you can now leverage a whole new wealth of information.
BUILT FOR RAILWAY

Railnova helps operators, lessors, maintainers, and manufacturers all around Europe improve their fleet reliability and availability.

Railnova is active in countries such as Germany, France, Belgium and Portugal.
BUILT FOR RAILWAY: CONNECT ANY ASSET
OUR CLIENTS.
CONTACT US.

info@railnova.eu

Rue des Tanneurs 58
1000 Brussels
Belgium