

You move trains.

Let us help you manage your assets.

Business needs

Railways need to understand and be in control of:



Safety

Crew operations and passenger experience



Uptime

Reliable infrastructure, communications and power network



Dispatching

Scheduling, maximum capacity and interoperability



ROI

Optimization of opex and capex budgets

Business challenges

Railways are notoriously complex. Successfully managing hundreds of miles of track, unmanned territories, and intricate timetables requires the ability to properly manage all physical assets, human capital and maintenance planning. Let's quantify those challenges:

Physical assets



43%

Poor inventory management
43% of businesses have assets they can't locate.¹ This results in additional unnecessary financial expenditures.

Human capital



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Network downtime
Prior to dispatching, roughly 10-25% of a technician's time is spent looking for spare parts, resulting in downtime.³

Maintenance



50%

Routine maintenance
Half of railway maintenance is time-based.⁵ Crews waste time checking assets that have useful life.



500ZB

Information overload
IoT devices generate over 500 zettabytes of data per year.² Most of this data is not used.



55%

Uncaptured records
Work records are not tracked properly. Up to 55% of railway scheduling is still done via paper and spreadsheets.⁴



5:1

Opex:capex ratio
70-80% of maintenance is reactive.⁶ Opex is five times more costly than capex.⁷

Digital solutions

Here's where we connect the dots.

A high-performing asset management strategy directly benefits your operations and bottom line. Through digitalization, you are equipped with the right data and tools to make better, faster decisions today and in the future. Learn more about how you can maximize your investments and plan long-term capital requirements through predictive analytics.

SYSTEM OF RECORD	DAY-TO-DAY USE	LONG-TERM VIEW
<p>Enterprise asset management</p> <p>Access real-time inventory and asset maintenance history.</p> <ul style="list-style-type: none"> What assets do I have? Where are they? Do I have a warranty for this part? <p>Keep a central repository for day-to-day and lifecycle management of assets, work, logistics, financials and human resources. Choose between on-premises or in the cloud.</p>	<p>Field service management</p> <p>Automate decision making for dispatching field crews.</p> <ul style="list-style-type: none"> What crew is available? How do I dispatch? Can I close the work order on site? <p>Make sure that you are dispatching the right people with the right parts at the right time to minimize network downtime. Track and complete work orders in real time.</p>	<p>Asset performance management</p> <p>Prescribe asset intervention based on risk score and TCO.</p> <ul style="list-style-type: none"> What is my asset health? When do I intervene? Do I maintain, repair or replace? <p>Determine asset condition and identify remedial actions to restore your assets to their pristine operating condition. Suggested actions are timebound.</p>
YESTERDAY	TODAY	TOMORROW
Learn more	Learn more	Learn more

Why Hitachi Energy?

Our Lumada portfolio for asset and work management features a modern microservices design, vendor-agnostic interoperability, and a flexible deployment model, including cloud, on-premises and hybrid.



Every year **3B passengers** travel across rail networks that are optimized by our software.



We operate, analyze and optimize over **US\$4 trillion** of assets every day.



ARC Advisory Group named us **#1 global EAM leader** for linear asset management.



We're experts in big data with **40+ years of IT** and 100+ years of OT expertise

RAIL USE CASE
Solutions: EAM and FSM
Users: 300 field engineers
Where: Australia
Track length: 8,500 KM
Client history: 15+ years

[VIDEO](#) | [WEB STORY](#)

Ask about our references.

Let's connect

Hitachi Energy sits at the intersection of power and technology, enabling railways to adapt to an increasingly digitalized world – one that is smarter, greener, faster. Partner with us in your digital transformation journey today.



¹ What is Maintenance Inventory Management? | Fix (fixsoftware.com)
² how much data do sensors collect - Lisbdnet.com
³ The Missing Tool for Maintenance and MRO Inventory Control (emerson.com)
⁴ Maintenance Statistics: Predictive & Preventive, Labor & Costs (upkeep.com)
⁵ As much as half of every dollar you spend on preventive maintenance is wasted (ibm.com)
⁶ Corrective vs Preventive Maintenance Savings: Railway Infrastructure Case Study | Preventive Maintenance Tips
⁷ 9 Types of maintenance: How to choose the right maintenance strategy | Road to Reliability™