Transport Infrastructure operators can enjoy significant savings in operations and maintenance. Asset performance management makes it happen.

Transportation organizations need to understand and gain control of:

- Business challenges
- Opportunity

Transform your network with a fleet- and route-wide analytics platform to improve processes through risk-based optimization.

Learn more

ABB Asset Performance Management (APM) is designed to provide health and performance insights to prevent critical asset failures while optimizing asset lifecycle costs. Find out what it can do for you!

Asset performance management with ABB

Improve decisions and response times with predictive analytics.

Results and benefits

- Identify risks early so they can be reliably resolved or mitigated.
- Facilitate the adoption of accepted industry standards such as ISO.
- Make more informed long-term investment decisions.
- Replace time-based maintenance with condition-based maintenance for cost-effective reliability.
- Enable risk-optimized maintenance schedules.

Case study: leading mobility and logistics provider

700 daily long-distance rail services
340K passengers per day
20+ years in operation

Optimized maintenance:
Prognostic reports enabled digital and cost-optimal scheduling and scoping of wheelset maintenance for the entire fleet.

Extended asset life:
Through smarter management of wear-down risk versus safety margins, operators were able to utilize the full operational life of wheelsets instead of retiring them prematurely.

Enhanced reliability & safety:
Early detection of critical conditions helped mitigate the risks of unexpected wheelset wear-down, which could result in service interruptions or regulatory penalties from safety violations.

Learn more

View the ABB APM website
Contact us

- Reactive
- Predictive
- Manual
- Automated
- Holistic actions

- CONNECT / COLLECT
- ANALYZE / PREDICT
- INFORM / PRESCRIBE
- ACT

All data sources: sensors, historian, databases, EAM

CONTINUOUS OPTIMIZATION AND IMPROVEMENT

• Expert models (ABB, third party)
• Statistical models (Azure® machine learning)

Advanced operational business intelligence