

Control FREAK

The Future of Railway Digitalization



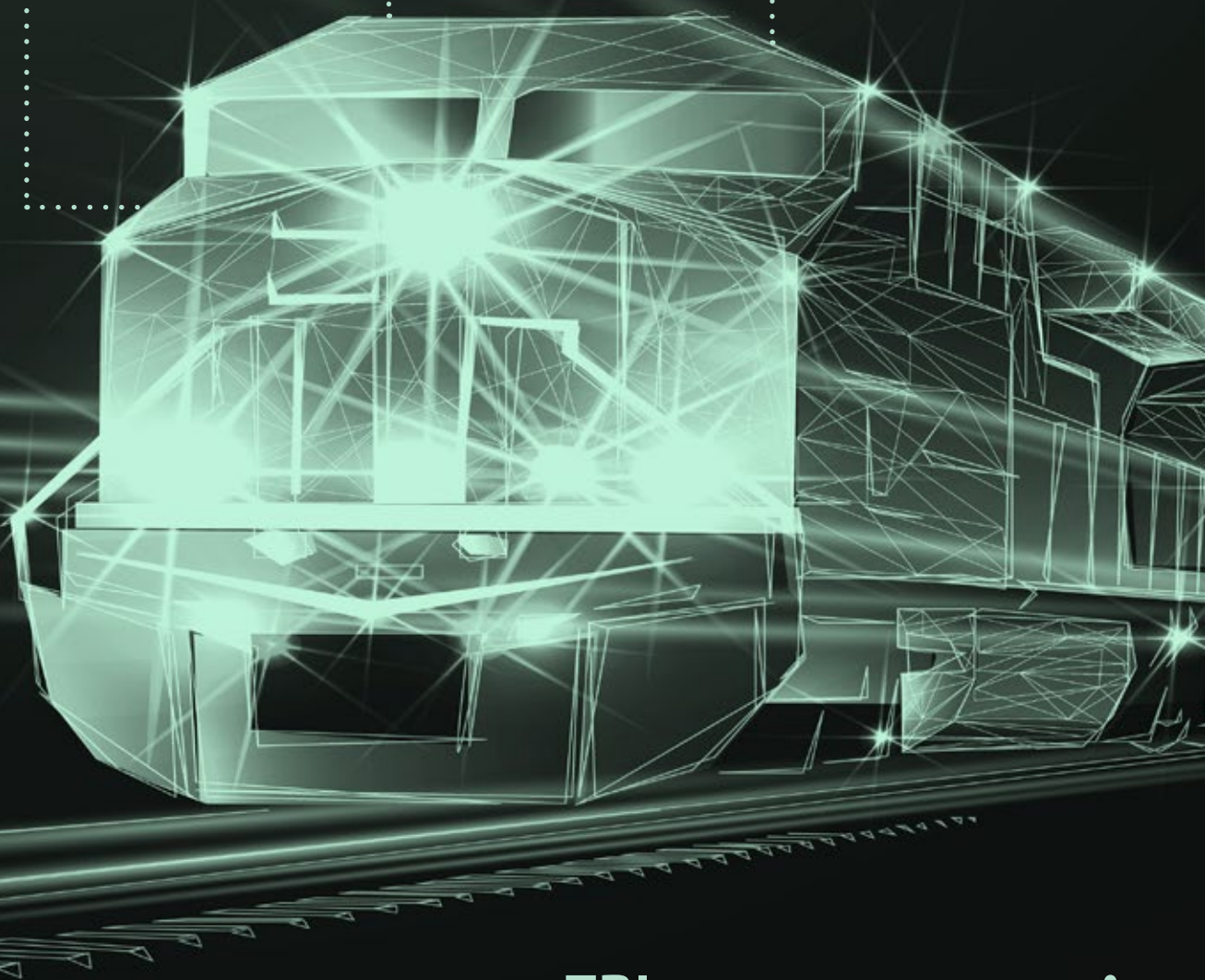
CONTROL
Locomotives'
Reliability



CONTROL
Maintenance
Efficiency



CONTROL
Asset
Availability

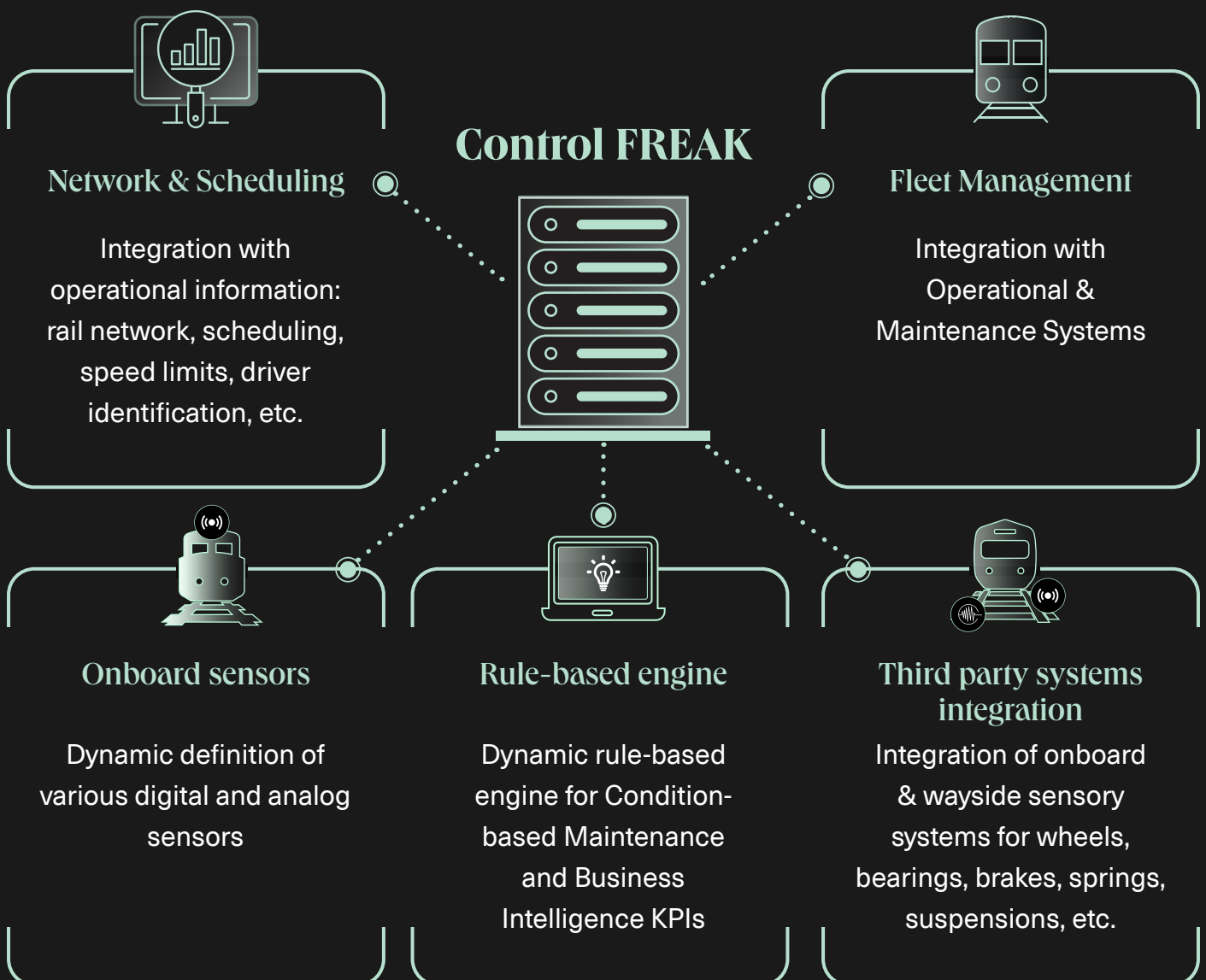


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RAILWAYS

Smart Solutions for Proactive Maintenance



- Trilogical's Control FREAK is a unique solution that empowers managers at all levels to monitor and enhance efficiency while cutting costs.
- It comprises a smart onboard controller (HW) and dynamic application (SW) built on a modular platform, easily tailored to meet customer needs.
- With an open architecture and integrated plugins, additional modules can be swiftly developed as required.
- Deployed upon vehicles by world's leading OEMs, Control FREAK ensures higher fleet's annual mileage & enables longer life cycle for legacy vehicles.
- Control FREAK boosts operational & maintenance efficiencies, allows improving safety, managing service levels, and increasing profitability.



Realtime fleet status dashboard

Aggregate view of the trains' condition, including sensors, messages, logs and operational information, smart data analytics and integration to the maintenance management system



Maintenance interface

- High diagnostic capabilities based on the onboard sensors' data
- High quality data, filtered by train status, based on integration with both operational and maintenance modules
- Dynamic platform to support various train types, messages, and sensors



Business Intelligence for advanced performance analytics

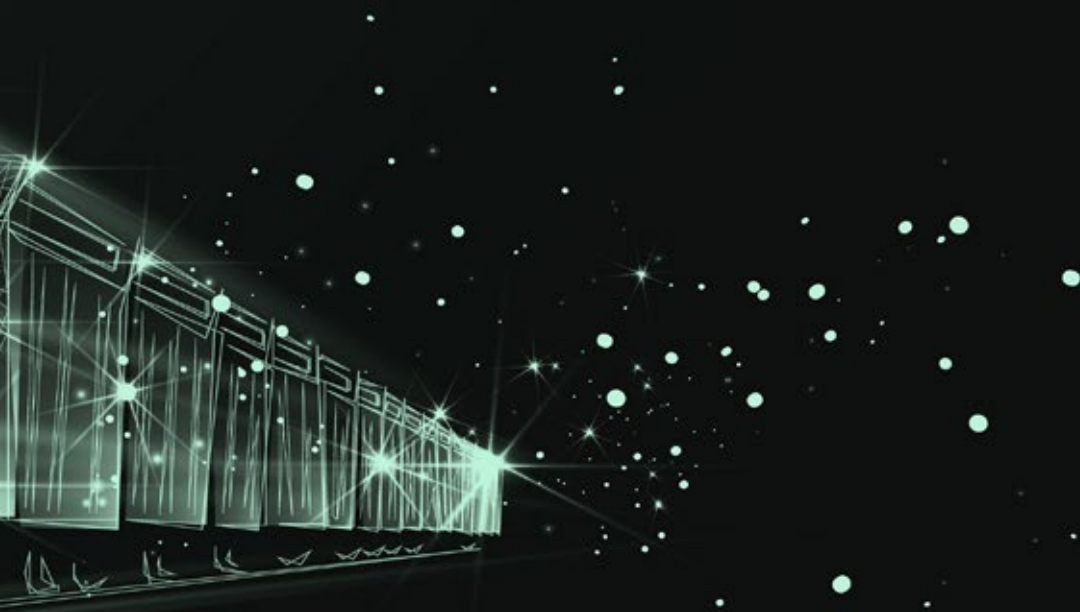
Unique multi-dimensional Business Intelligence module for advanced analytics of maintenance & operational efficiency, smart failure analysis, automated TBF & DBF measurements for data-driven decision making to enhance productivity, flexibility and agility



Driver Advisory System

- Realtime alerts and recommended actions to reduce failure severity and prevent service interruptions
- Digital trip instructions, alerts on speed restrictions and obstacles on the track
- Driver's behavior analytics to decrease repeated errors and train drivers to reduce energy consumption





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