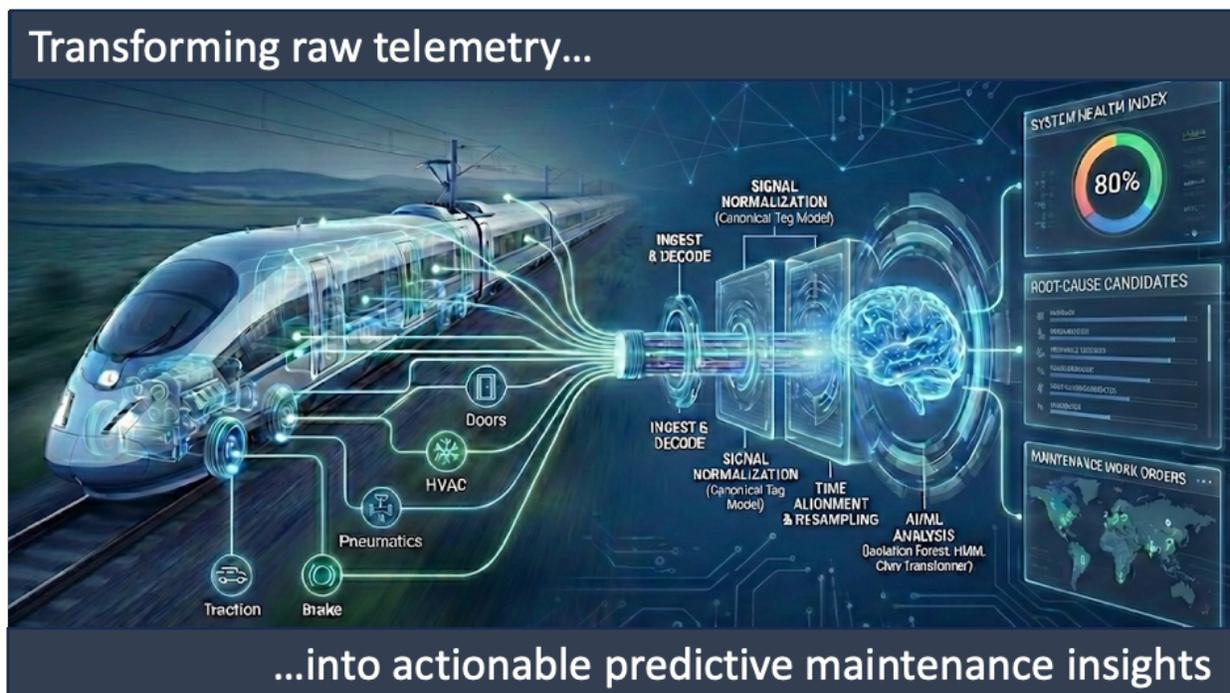


## AI-driven Dashboard, Analytics & Decision Support System for Train Control & Management System (AI-TCMS)

### Predictive Maintenance Solution for Rail Infrastructure Operators

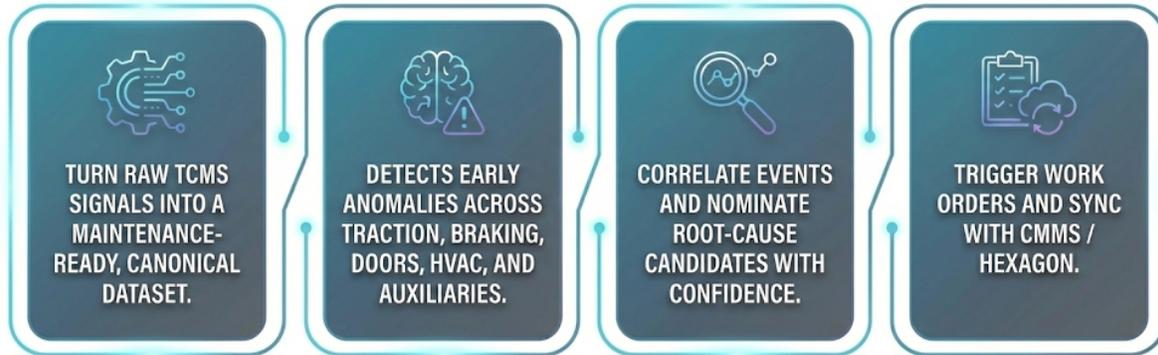
Train Control and Monitoring System (TCMS) data is time-stamped operational telemetry and discrete events from the train control network - commands, feedbacks, and alarms spanning traction/brake, doors, HVAC, auxiliaries, pneumatics, and safety interlocks.

Verit AI's AI-TCMS is an AI-driven **analytics and decision support system** that ingests raw TCMS data and delivers intuitive, customized dashboards and actionable **predictive maintenance** insights with a view to **enhance asset life, better quality of service** (passenger comfort), and **reduce unpredictable downtime**.

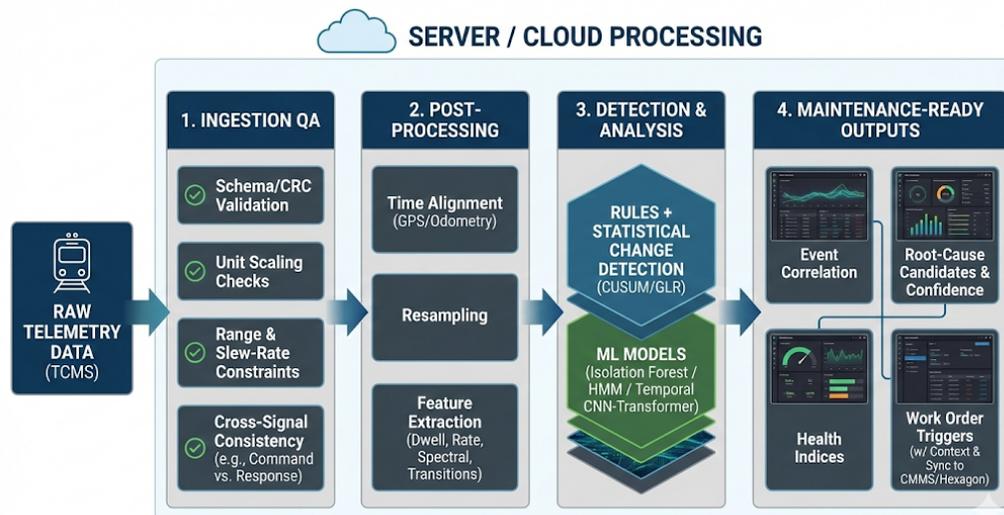


The AI-TCMS delivers value to the operators in multiple ways: a) Turns raw data into a maintenance-ready dataset; b) Detects anomalies early across critical subsystems; c) Expedites root cause analyses through prioritized list of candidate actions; and, d) Triggers work orders autonomously or in conjunction with existing EAM/AMC systems.

# AI-TCMS Value Proposition



AI-TCMS' robust server-side pipeline transforms raw, often noisy sensor data into high-confidence maintenance actions. The pipeline performs secure offload/stream ingest, protocol decode, and signal normalization into a canonical tag model comprising engineering units, scaling, metadata, and subsystem topology.



As an operator, if you are ready to exploit the TCMS data for building operational efficiencies and enhancing quality of service, we at Verit AI would like to collaborate with you to deliver a customized AI-driven solution that integrates with existing systems and delivers persistent ROI in line with your business and operational goals.

Contact us today for a meeting or demo: Web: [www.veritaiworx.com](http://www.veritaiworx.com) | Email: [info@veritaiworx.com](mailto:info@veritaiworx.com).