



CMMS



TRIMBLE CMMS SOFTWARE

COMPLETE WAYSIDE DETECTOR DATA SOLUTION

Trimble® CMMS™ (Condition Monitoring Management System) software is a condition monitoring data management platform that provides a unified environment for wayside detector data.

Data generated by wayside detection and monitoring systems is essential to train maintenance optimization and derailment prevention. As more systems are deployed, the management and effective use of gathered detector data becomes more challenging. Also, the correlation between data generated by different detectors provides additional opportunities to analyze and understand the condition of any individual rolling stock or the whole fleet.

Trimble CMMS condition monitoring data management platform provides a comprehensive unified web-based interface to all wayside data. Data from numerous Trimble and other wayside detection systems can be seamlessly integrated within CMMS. System data streams that can be integrated include wheel profile and brake shoe measurements, wheel impact detectors, hot bearing detectors, and acoustic bearing detectors.

CMMS is a single point of access to all condition monitoring data with the advantage of a customizable search functionality across the entire database. CMMS consolidates all vehicle exceptions across installed monitoring systems to facilitate the analysis and efficient planning of required maintenance activities. Based on a SQL backend that houses all the data from all detector systems it also integrates to SAP and other enterprise resource planning systems to create maintenance notifications.



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FEATURES

Software Features

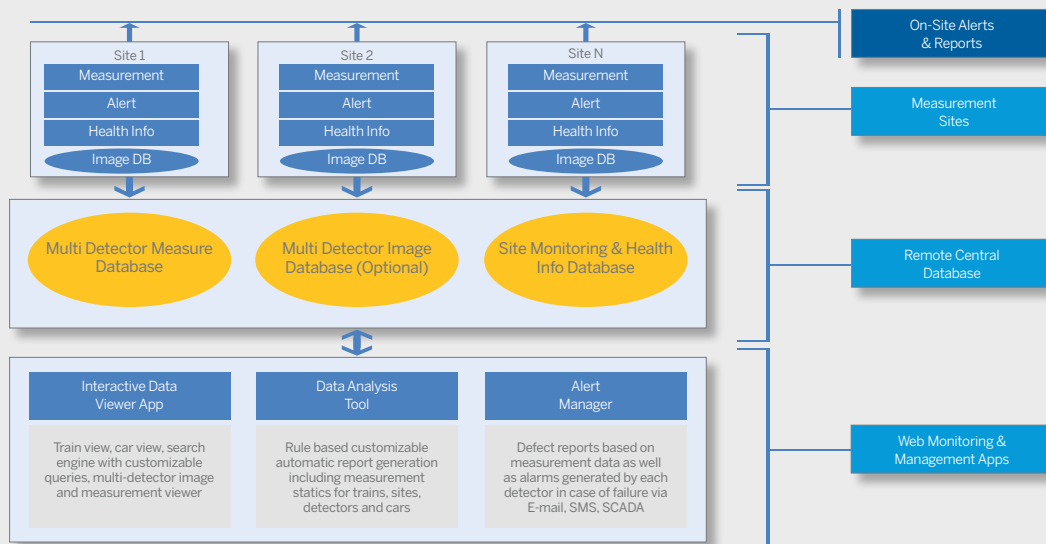
- ▶ **Detector status:** Status display for real time indication of wayside detector health.
- ▶ **Train listing:** Trains listed by detector site and number of alarms.
- ▶ **Car (wagon) history:** Historical data and images for all cars (wagons) history.
- ▶ **Query generator:** Generic query generation tool capable of simple through to complex composite queries.
- ▶ **Alert generator:** User customizable alarming tool based on predefined conditions such as trended or absolute measurements.
- ▶ **Reporting functionality:** Customizable reports for consist alarm notifications.

General Features

- ▶ Capable of importing all wayside detector data.
- ▶ Can be hosted either within a customer IT infrastructure or in the cloud.
- ▶ Integration with Windows Active Directory to manage user access control.
- ▶ Can be integrated with enterprise resource planning software (e.g. SAP, Maximo etc.).
- ▶ Automated defect reporting via email, SMS, SNMP etc.

CMMS SUPPORTS COMPLEX COMPOSITE QUERIES

Trimble CMMS software supports immediate defect reporting using e-mail, SMS, etc.



Specifications subject to change without notice.