# KinetiX | Inspection Technologies

# FleetOne™

## IMPORTS, AGGREGATES & UNIFIES CRITICAL WAYSIDE ROLLING STOCK DATA

Wabtec has developed the FleetONE software platform to unify all of your wayside monitoring data into a single system. FleetONE presents a holistic set of views of the data – from individual component measurement and trends through to fleet-wide metrics.

FleetONE seamlessly allows the rolling stock manager to access all stored data on rolling stock, and receive alerts and reports based on sensor measurements. Track IQ lead products, RailBAM® and WCM® provide data feeds into FleetONE.

FleetONE also supports data feeds from other wayside detectors including Wheel Profile, HABD, HWD, WILD and Brake Shoe Wear.

Advanced search and reporting functions enable the rapid identification of condition monitoring faults – and these faults can be automatically raised as work orders in an external maintenance system such as SAP.

**Wabtec**
CORPORATION

## FLEETONE SOFTWARE

Proprietary software is not required for your multi-user workstations as FleetONE™ is delivered as a web-based application – key personnel will have access to FleetONE via their web browser.

FleetONE supports multiple languages, both metric and imperial measurements, and the user assigned profiles and privileges.

## GENERAL FEATURES

Integrates with your maintenance system to generate work orders

Web application delivered

Intuitive functions

Advanced search function

Password protection

System expandable

Help desk support

Role based privileges and administration

Standard reporting functions including:
- Alerts
- Component history
- Vehicle mimic
- Train load profile
- Axle mass
- Wheel condition
- Bearing conditions
- "Worst" wheel/vehicle by sensor class

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## FLEETONE GENERAL SPECIFICATIONS

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|---|---|
| **Summary and History Lists** | The "Train List" presents a list of trains that have passed all sensor sites. From this view, the user can navigate to summaries of the train by vehicle, axle, and bearing/wheel. These views show all measurements and alerts recorded for that train pass. From there, users can select individual component records and navigate to show the measurement history of that component. |
| **Graphs** | Per component trend graphs – for RailBAM, Wheel profile, WILD, and HBD data. |
| | Per train graphs – axle load profile, STS and ETE imbalance profile, HBD temperature profile. |
| | Fleet reports – HBD alarm summaries by time, histograms for wheel profile and RailBAM statistics. |
| | All graphs support dynamic modification of time ranges and other input parameters. |
| **Maintenance System Integration** | Maintenance planners are provided with tools that allow them to search for and retrieve the set of components with measured defects. Planners can then raise those defects in external systems (e.g. SAP) as work orders at the click of a button. |
| **Log in** | Password protection via FleetONE local password or Windows Active Directory login. |
| **Configurable Alert Levels** | WILD: Vehicle and axle weight overload alerts. Vehicle STS and ETE imbalance alerts, Wheel Impact Alerts – peak force, impact ratio. |
| | Acoustic Bearing Monitor: Defect classifications are grouped to determine alert levels |
| | Brake Shoe Wear alert |
| | Wheel profile: flange, rim, hollow |
| | HBD: Hot Bearing/Hot Wheel alarms retrieved from the remote site and displayed |
| **Data Health** | Shows trends and alerts on wayside detector status – last communication time, quality of data. |
| **Data Protection** | Users associated with owner/operator organisations are restricted to viewing measurement data for vehicles that belong to that organisation. |