

KinetiX

Inspection
Technologies



Crossings

GAIN REAL TIME INSIGHTS. ENHANCE MAINTENANCE.

Improving safety at railroad crossings is a global imperative, and yet challenges persist: intermittent long waits for gates, maintenance of detection circuits, track circuit degradation, and manual processes to troubleshoot, are just a few of the challenges impacting railroads and the public.

KinetiX Inspection Technologies for Crossings provides real-time data and powerful analytics to users of Wabtec's Smart Crossing System – for optimized crossing activations and insights.



ANALYTICS & MONITORING

KinetiX Inspection Technologies for Crossings provides real time data to back office systems for analysis of crossing performance and to aid in making efficient decisions for dispatching personnel.

How it works

Data on every crossing activation and train movement across the network is captured automatically and made available in one convenient location.

Railroads can use real-time data to get insights into how crossings are performing and facilitate fine tuning for improved operation.

Configurable alarms provide crossing exception notification.

EXAMPLE DATA & REPORTS

Crossing Warning Time Bell Curve

Every crossing each day is reported on a statistical control chart; any anomalies are detailed in the root cause analysis.

Trip Reports

Daily report for every locomotive run from point A to Point B. Reports assess the performance of each crossing for the duration of the trip.

Video Reports

Display the interaction with the crossing and the pass/fail of each required FRA 234 like test.

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Oct-30-2020 23:59:29.100
Lat: 30.38618931, Long: -91.17058082, Speed: 44.0

23:59:01 123456A XR 0
23:59:03 123456A Lamp Flasher Start 0
23:59:04 123456A Gate Up 0
23:59:08 123456A Gate Down 1
23:59:29 123456A Island 0

28 Seconds of Warning Time
Ave Speed from XR to Island: 44.0

APPLICATIONS



Optimize Crossing Activation

Fine tune crossing systems for better overall performance.

Analyze, compare, and demonstrate crossing performance.



Enhance Crossing Maintenance

Remotely monitor, troubleshoot, and test with a rich set of data.

Proactively identify issues before they become problems.



Gain Real Time Insights

Get a holistic view of every crossing on the network.

Receive automatic alarm notification for conditions out of tolerance.

