SENTINEL

Day 1 Event and Delay Capture

SENTINEL

Sentinel is a fleet-wide tracking, monitoring and alerting solution that can connect staff with the state of a vehicle at the click of a button - and in real-time.

As well as real-time alerting, Sentinel highlights the impact of events on journeys and network performance and provides a unique insight into unit running and maintenance through a series of reports and dynamic visualisations.

SENTINEL CAPABILITIES

Industry application
- Reduce schedule 8 costs
- Identify and resolve subthreshold delays to 1 second
- Measure performance against latest industry metrics including Right-Time, On-Time, Passenger Time Loss (PTL)
- Precisely measure station dwells and delays including berth offsets, door movements and dispatch times

Data Capture
- Accurate, auditable and automated measurement and monitoring
- Better than GPS only systems by integrating multiple positional data sources providing total network coverage in tunnels, stations and network blackspots
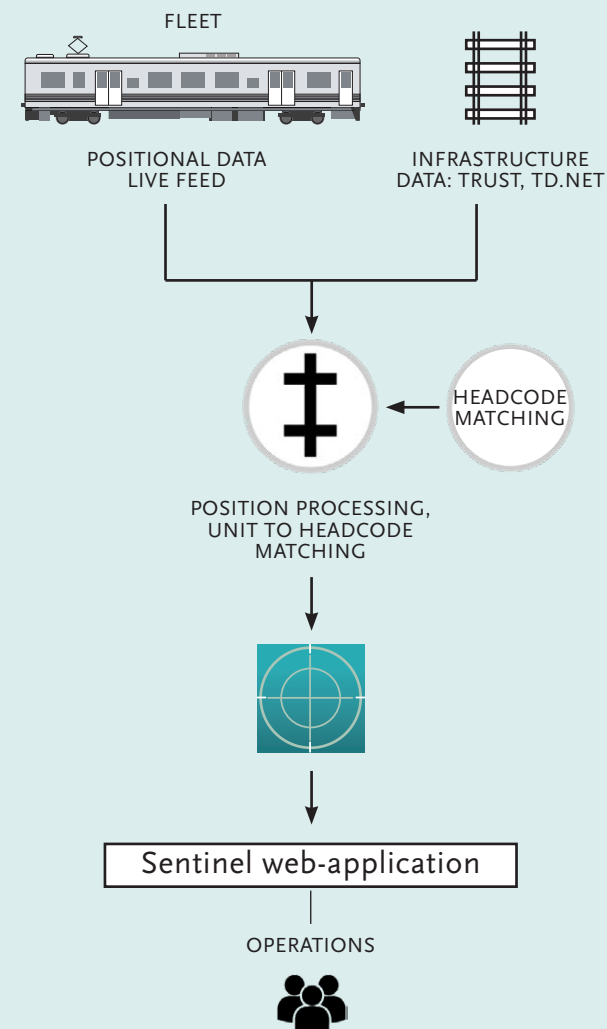
SENTINEL BENEFITS

Performance
- Route cause analysis and attribution for subthreshold delays down to 1 second
- Resolve and attribute subthreshold delays on **day 1**
- Improve overall PPM
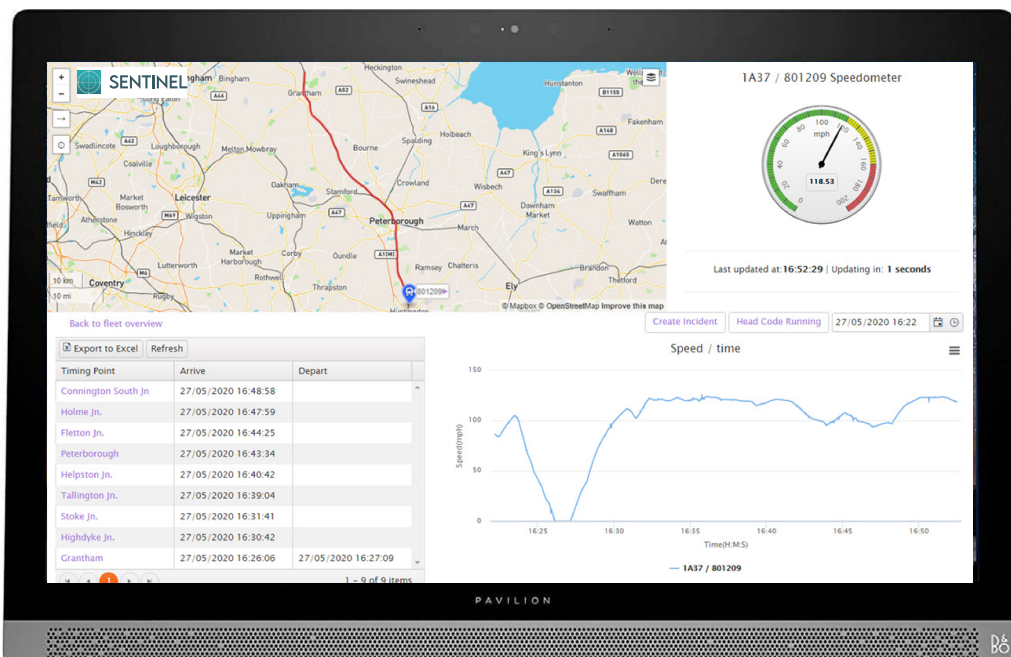
Fleet Monitoring
- Better than rail-data-only (TRUST, TD.net) systems as every position and every second tracked to giving total monitoring within berths and sections.
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How Sentinel Works

FLEET

POSITIONAL DATA
LIVE FEED

INFRASTRUCTURE
DATA: TRUST, TD.NET

HEADCODE
MATCHING

POSITION PROCESSING,
UNIT TO HEADCODE
MATCHING

Sentinel web-application
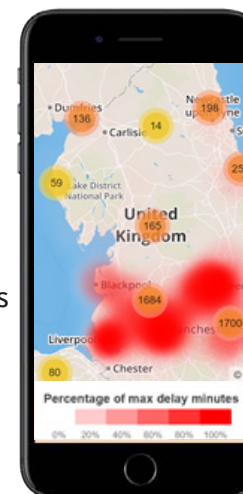
OPERATIONS

SENTINEL

SENTINEL DESKTOP

- Day 1 event and delay capture

- Centralised control
  - Monitor any fleet vehicle
  - Monitor on-board systems

- Reports and analysis
  - Targeted investigations
  - Delay attribution
  - Workflow analysis
  - PDF / Excel output

- Requirements
  - HTML 5 compatible web browser

SENTINEL MOBILE

- 2-way mobile to control work-flow
- Live information capture and sharing
- Fully integrated with Sentinel desktop application

- Requirements
  - iOS / Android.

To arrange a demo and discover more about Sentinel, please contact:

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Sentinel in the Network

NetworkRail

crosscountry

GWR

TRAFNIDIAETH CYMRU TRANSPORT FOR WALES

northern

TRANSPENNINE EXPRESS

‡ Incremental