Overhead Line Equipment in Real-Time

OLErt

OLErt *(Overhead Line Equipment in Real-Time)* integrates visual measurement algorithms (from Oxford University academics) with Incremental's analytics platforms and precise positional certainty data, to prevent OLE incidents such as pan flips, contact force and out of tolerance stagger.

By continually monitoring and evaluating train infrastructure in real-time (in this case, the Overhead Line Equipment), the system can alert users to issues as they occur and flag potential issues to enable timely preventative action.

OLErt CAPABILITIES

Monitors pantograph (including >100mph)
- Height
- Stagger
- Contact force between pantograph and contact wire
- Pantograph flip

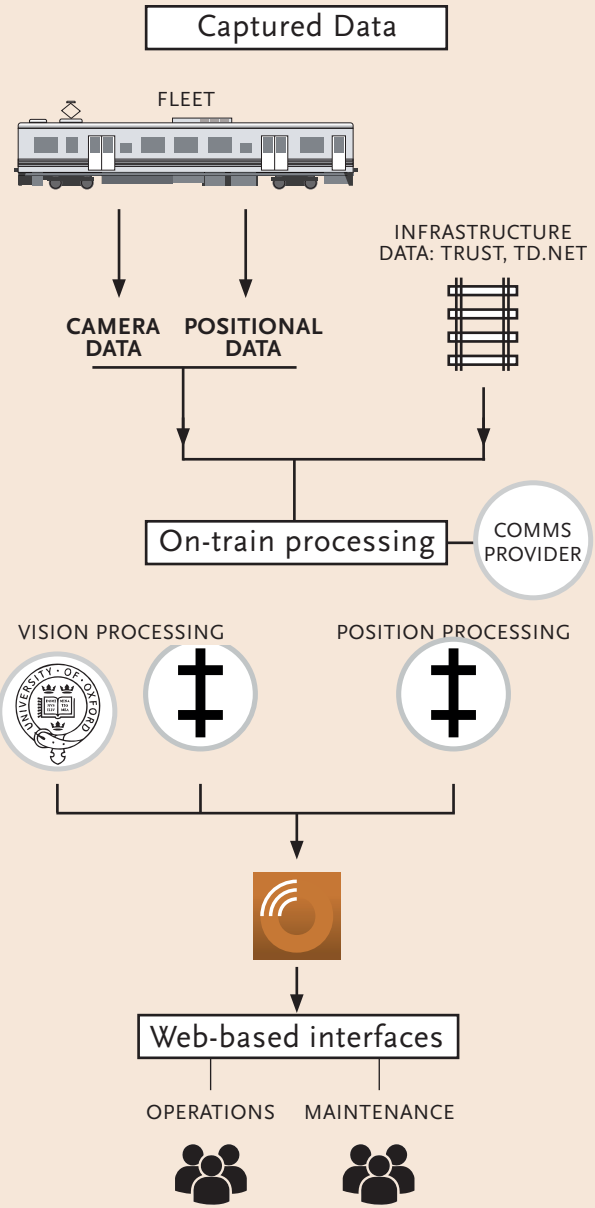
Monitors other changes and influencing factors
- Arcing
- Vegetation
- Crossovers

OLErt BENEFITS

Digital solution
- On-board processing for real-time alerting
- GSM data streaming for instant issue identification
- Integration with third-party equipment

Fleet implications
- Monitor every train in service
- Safety improvements
- Continuous performance stability.

How OLErt Works



Incremental

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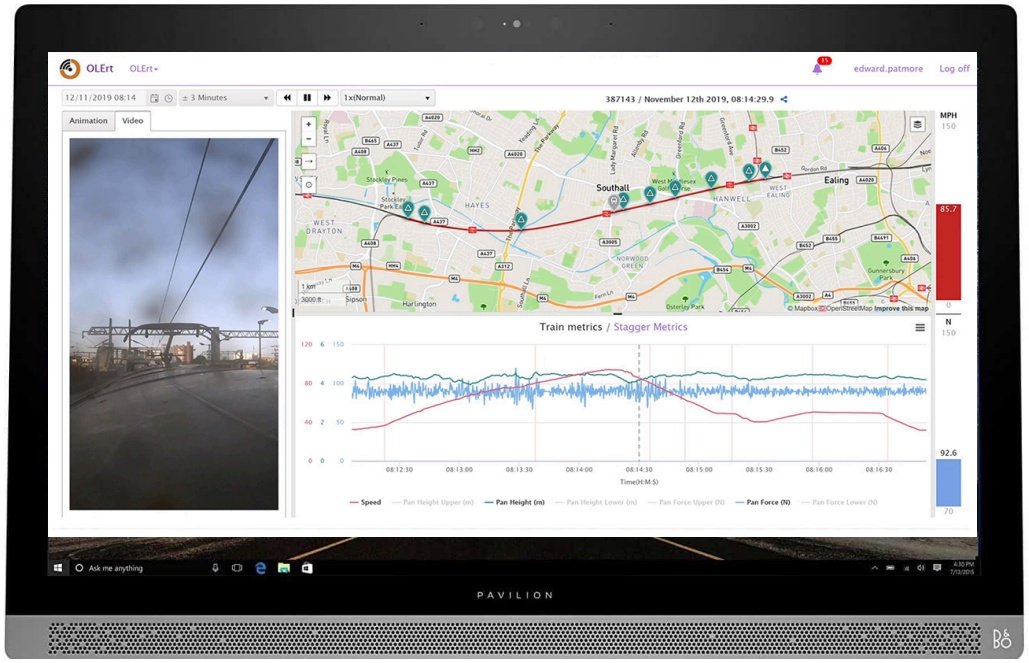
OLErt



OLErt DESKTOP

- Real-time video analytics
  - Pantograph state
  - External anomalies
- Real-time GPS analytics
  - Train position
  - Train speed
- Real-time alerts
  - Immediate action
  - Incident avoidance
  - Maintenance schedule
- Captured Data
  - Trend analysis
  - Video download
- Requirements
  - HTML 5 compatible web browser.

OLErt in the Network

NetworkRail · GWR · AVANTI WEST COAST · GTR

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

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OLErt Ver. 4.1 AUG2020