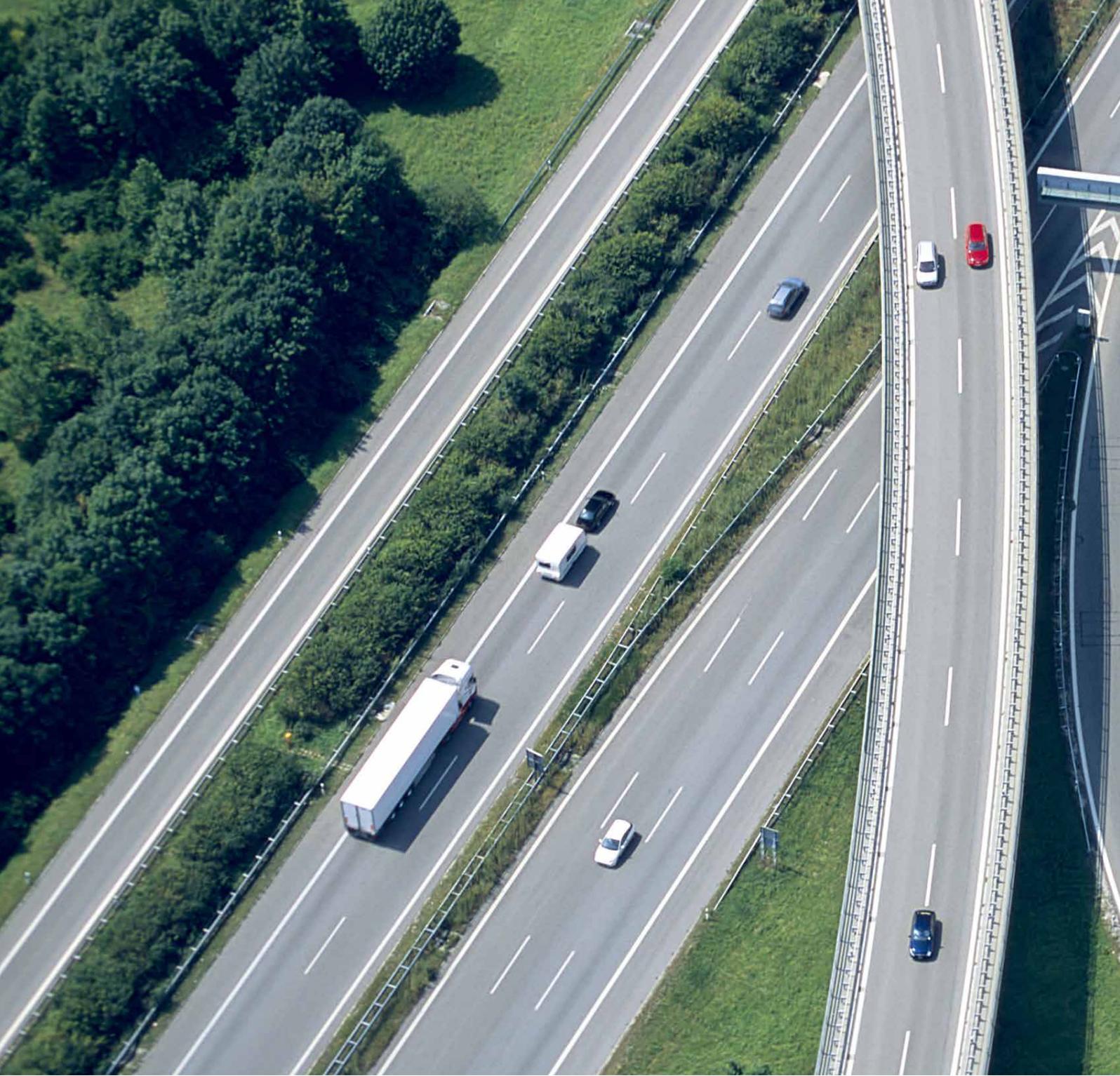




A Telstra Company



**ADVANCED
TELEMATICS
MADE SIMPLE**



PROUDLY SPONSORING





ABOUT US

MTData is a Telstra owned Australian telematics company. Since 2003, MTData's solutions have been helping customers improve efficiency, reduce costs and remain compliant. We are a true technology partner working closely with our customers to get the maximum advantage in their markets.

The high retention rate of both customers and staff is a testament to the passion with which we deliver on our promise of supplying high quality products that are well designed for Australian conditions with strong after-sales support. Passion drives everything we do and that's why many of the largest transport and logistics players choose MTData as their technology partner.



OUR SOLUTIONS

Comprehensive Tracking	6
Job Dispatch & Sign-On Glass	14
Driver Safety & Compliance	20
Vehicle Mass Compliance	32
Vehicle & Engine Management	36
Integrated Truck Camera Solution	40
Asset & Refrigeration Tracking	44
Reporting & Alerting	48



AUSTRALIAN MADE & DESIGNED



ALL COMPLIANCE NEEDS



COMPREHENSIVE TRACKING & ECM DATA



JOB DISPATCH & SIGN-ON GLASS



IAP & MASS MANAGEMENT



HANDSFREE PHONE



MDVR CAMERA INTEGRATION



TELSTRA & SATELLITE COMMUNICATIONS



COMPREHENSIVE TRACKING



KEY BENEFITS

- ✓ **Benchmark and improve driver performance**
- ✓ **Reduce fuel costs**
- ✓ **Improve equipment utilisation**
- ✓ **Grow the business, not your costs**
- ✓ **Prevent breaches and remain compliant**
- ✓ **Enhance the safety of drivers**
- ✓ **Effectively communicate with remote drivers**

KEY FEATURES

- ✓ **Locate vehicles and drivers 24/7**
- ✓ **Heat map of road events and incidents**
- ✓ **Real-time alerts of breaches**
- ✓ **In-vehicle notification to improve driver performance in real-time**
- ✓ **Accurate KPI reporting for your customers**
- ✓ **Two-way communication**



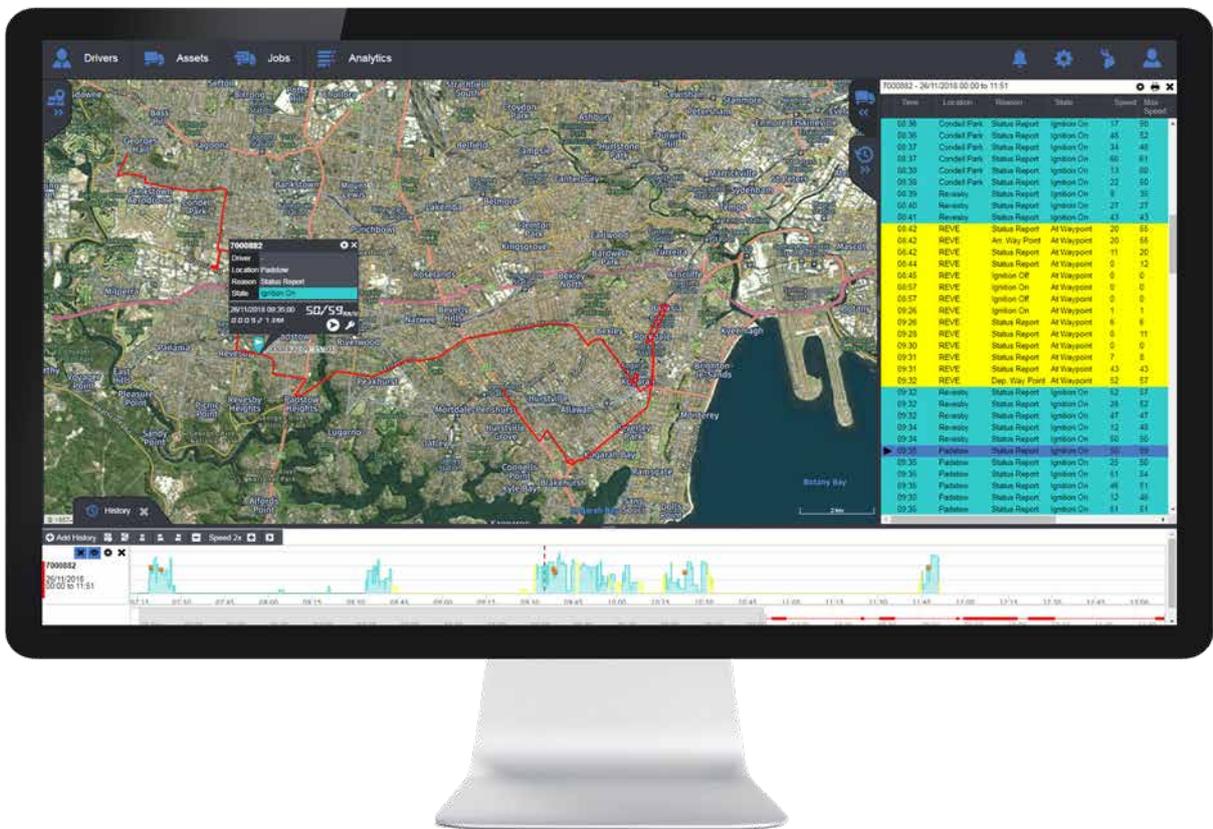
VEHICLE TRACKING

Use real-time data from your fleet to make informed decisions 24/7 via our web-based platform, Hawk-Eye. This can be combined with satellite communication to allow remote monitoring outside of mobile coverage. Track information such as fleet's location, direction, speed, route, mileage, engine idling and much more to generate real costs savings.



JOURNEY HISTORY REPLAY

View the journey history of multiple vehicles with the history replay tool which overlays the vehicle's travel route on HERE Maps. This provides valuable insight into driver performance, including departure and arrival at locations, start/finish times and route efficiency.





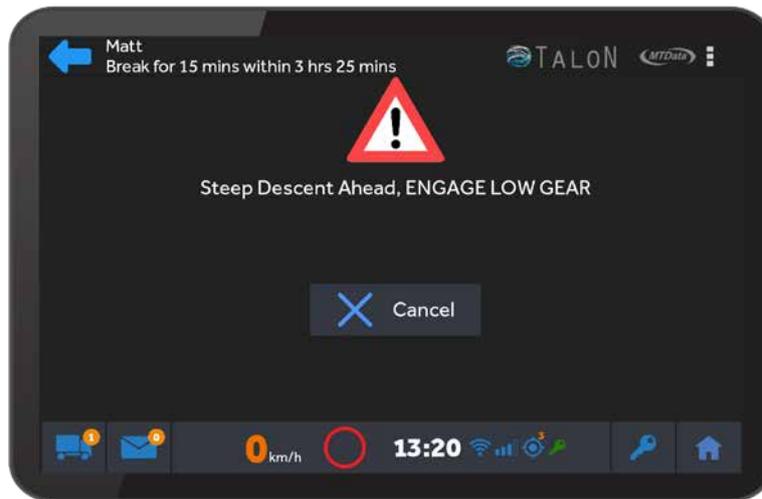
PROXIMITY SEARCH

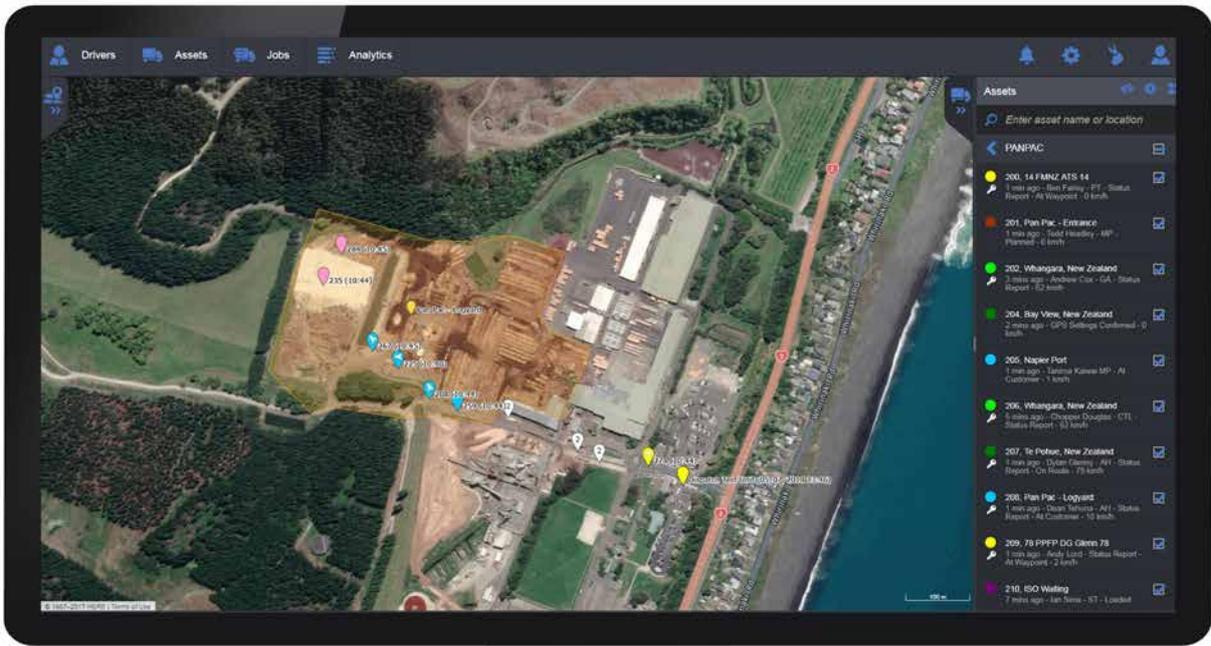
Locate vehicles in real-time so you can remain in control of the entire fleet, find the right vehicle for a specific job and manage the safety of vehicles where an incident occurs.



WAYPOINT MANAGEMENT & GEO-FENCING

Configure depots, loading docks and customer sites as Waypoints, providing the ability to report on entry and exit, speed at site and holding times. Real-time alerts can be raised to notify of excessive wait times in real-time to allow your business to respond early. Geo-fences can be used to identify specific no-go zones, triggering alerts to management.



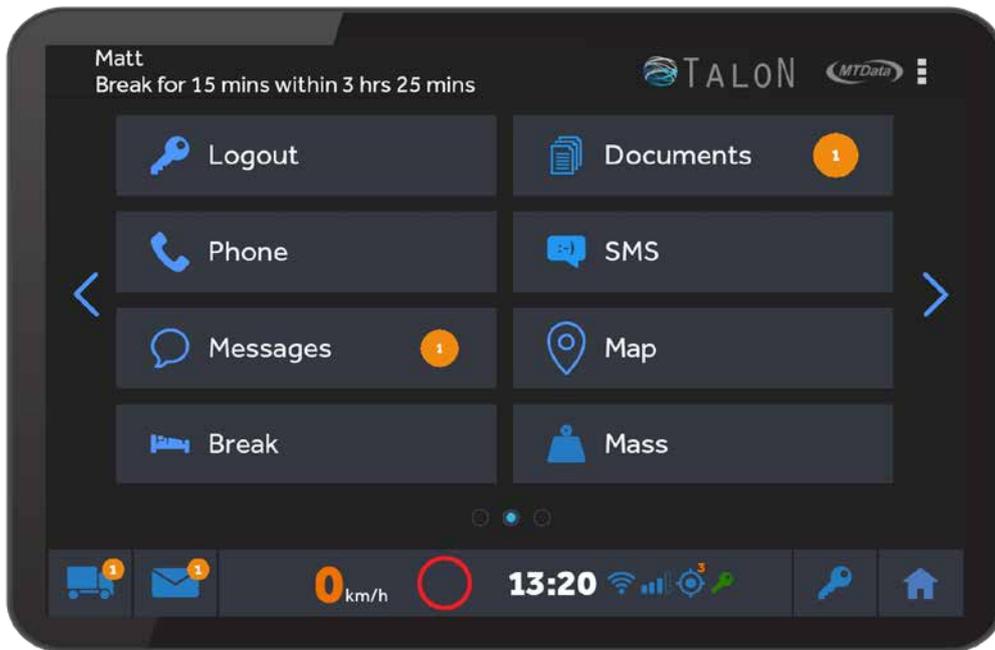






TALON: DRIVER TABLET SOLUTION

MTData's integrated driver tablet, Talon, is the ultimate communication solution allowing fleet managers to connect with drivers for improved compliance, safety, productivity and cost effectiveness. The tablet integrates with the tracking unit and the web-based platform Hawk-Eye, centralising all vehicle and driver input within the one platform.



With a user-friendly interface, the Talon tablet is a proactive tool providing drivers with both visual and audible alerts for real-time information. It provides comprehensive functionality to drivers and supports:

- Live fatigue management
- Job dispatch & sign-on glass
- Mass management (IAP And On-Board Mass)
- Safe Journey Plans (SJP)
- Fit For Duty / Pre-Trip questionnaires
- Navigation & mapping
- Electronic document management
- Defect & incident reporting
- Two-way messaging & handsfree phone
- Text-to-speech announcements
- Driver login & driver points
- Fuel entry & much more



JOB DISPATCH & SIGN-ON GLASS



KEY BENEFITS

- ✓ **Manage on-time deliveries**
- ✓ **Clearly see real-time job progress from allocation to delivery**
- ✓ **Ability to provide limited job status view to your customer via portal**
- ✓ **Make smart dispatch decisions on the fly**
- ✓ **Effectively manage sub-contractors**
- ✓ **Multiple ready to use job templates for common delivery and service job types**

KEY FEATURES

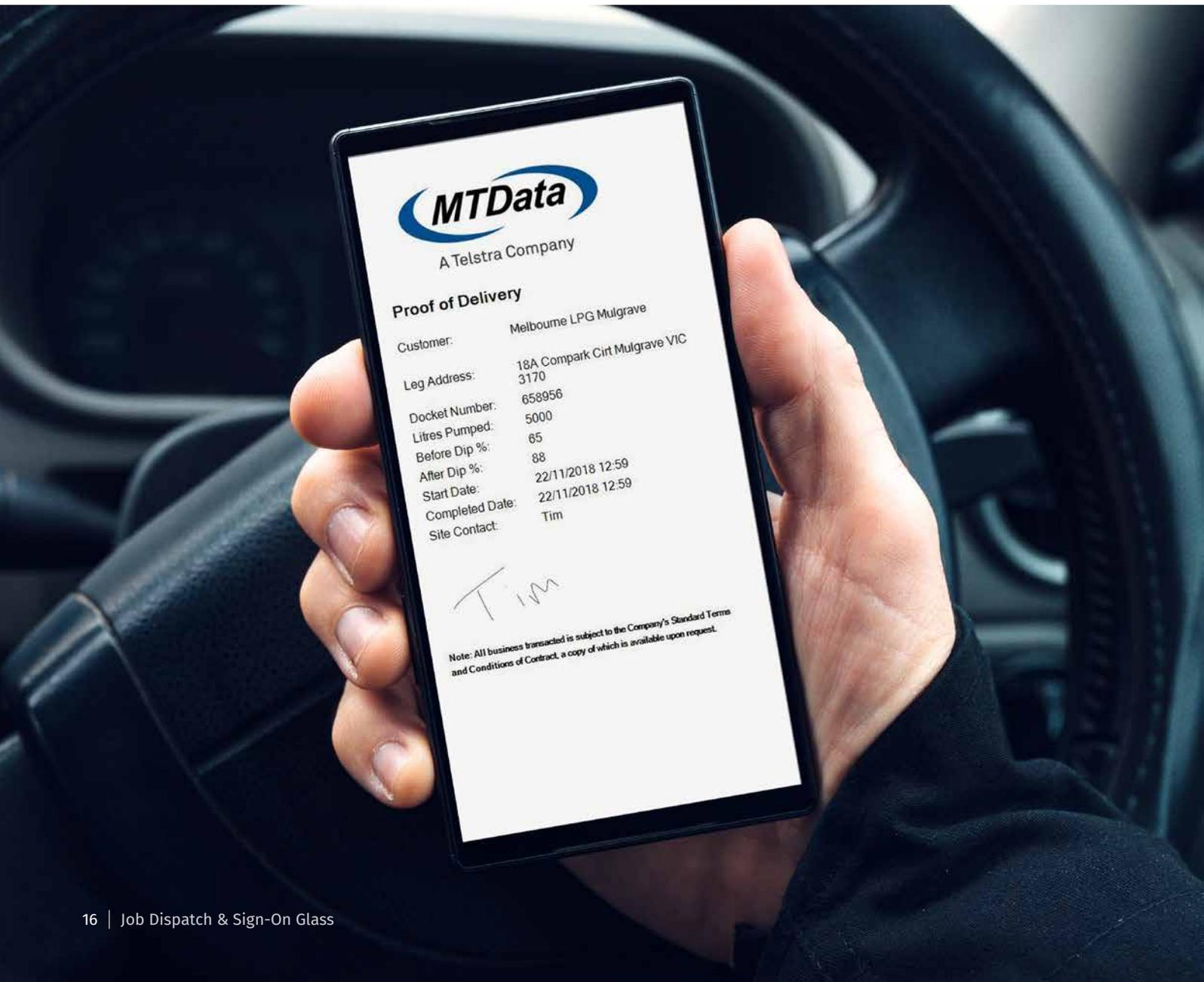
- ✓ **Job planning, allocation and dispatch**
- ✓ **Directly dispatch jobs to drivers**
- ✓ **Define the actions for each job leg (multiple pick up and deliveries) with live driver prompts**
- ✓ **Attain proof of delivery and image capture**
- ✓ **Sub-contractor app solution**

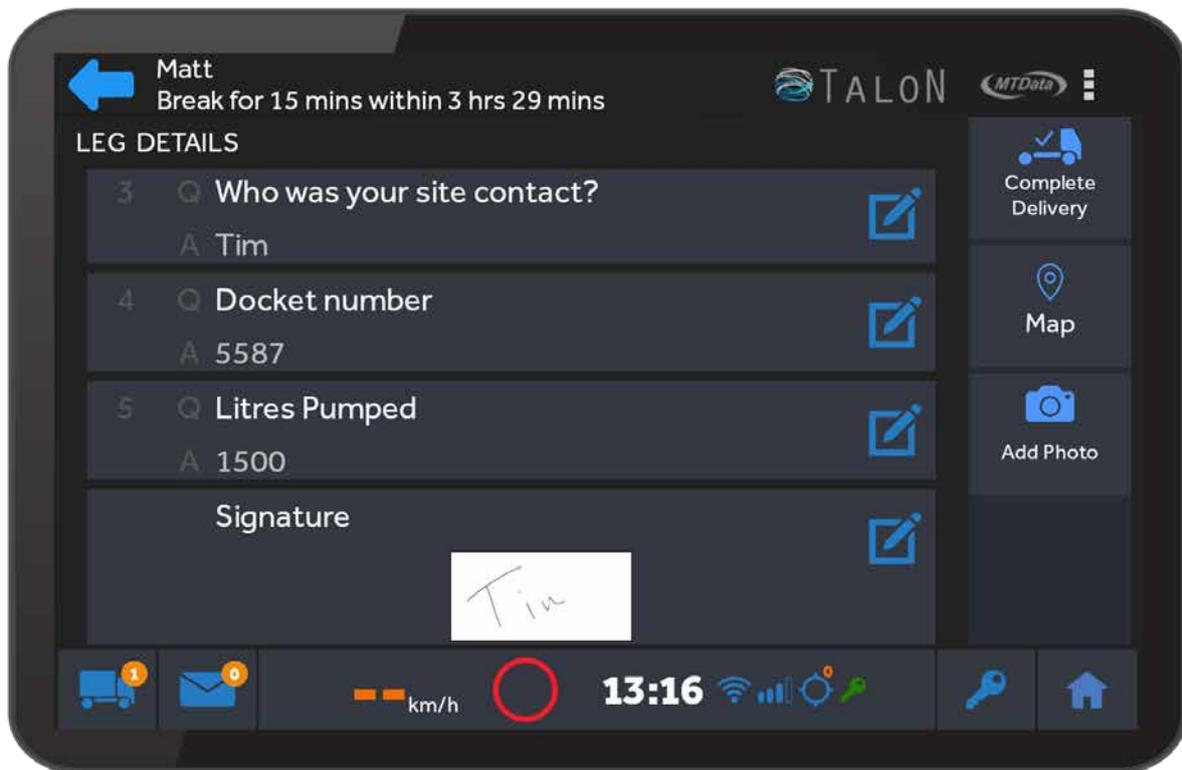


JOB DISPATCH MODULE

MTData's Jobs dispatch and planning module enables businesses to effectively plan, dispatch and manage jobs online directly from the web-based platform, Hawk-Eye. MTData's Jobs module provides dispatchers with the ability to create a job with one or more legs and define the actions that takes place at each leg. This includes the ability to include pick-up and delivery times, product types, units of measure and item quantity. The core job template used for palletised freight, allows the driver to enter the number of return pallets for enhanced pallet tracking.

MTData's Jobs integrates with live tracking in Hawk-Eye, enabling dispatchers to manage on-time deliveries. Comprehensive job reporting is available to show all pick-up and delivery time and date stamps along with a proof-of-delivery signature if required. This module can be customised for each job type, including service jobs, and will help improve customer service and work flow productivity, whilst ensuring jobs are correctly charged.





JOBS ON TALON

Integrated driver tablet solution, Talon, supports the Jobs module, enabling drivers to complete jobs efficiently and on-time. Drivers are notified via the in-vehicle tablet, Talon, when receiving a new job and are provided with all the relevant job information they need to complete it. This includes pick-up, drop off, multi-leg information, number of items and any special comments. All driver input is transmitted and stored in Hawk-Eye for management to access.

Features include:

- Pre-trip / job questionnaires
- In-vehicle job creation
- Image capture & sign-on glass
- Two-way messaging
- Job comment entry



SWIFT: SUB-CONTRACTOR & MOBILE WORKER SOLUTION

The phone-based app, Swift, has been designed by drivers for drivers. It delivers cost effective two-way communication and management of sub-contractors and mobile workers through the driver's mobile device. If you don't require full vehicle tracking capabilities, the Swift app is a cost effective and efficient way of coordinating your sub-contractors and mobile workers. The complete process, from job dispatch through to electronic proof-of-delivery can be monitored in real-time and history replay along with a variety of features, including pre-trip questionnaires and image capture.



The application is easy to use and provides the mobile worker with all the details of a job, including location and special instructions. The application assists with sub-contractor safety and compliance requirements. Drivers can also send comments and inform dispatchers of updates.



DRIVER SAFETY & COMPLIANCE



KEY BENEFITS

- ✓ Improved safety and compliance
- ✓ Proactive management to prevent breaches
- ✓ Manage Chain of Responsibility obligations
- ✓ Eliminate fatigue breaches whilst reducing administration costs
- ✓ Promote and reward safe driving behaviour
- ✓ Enhanced driver protection, particularly in remote locations

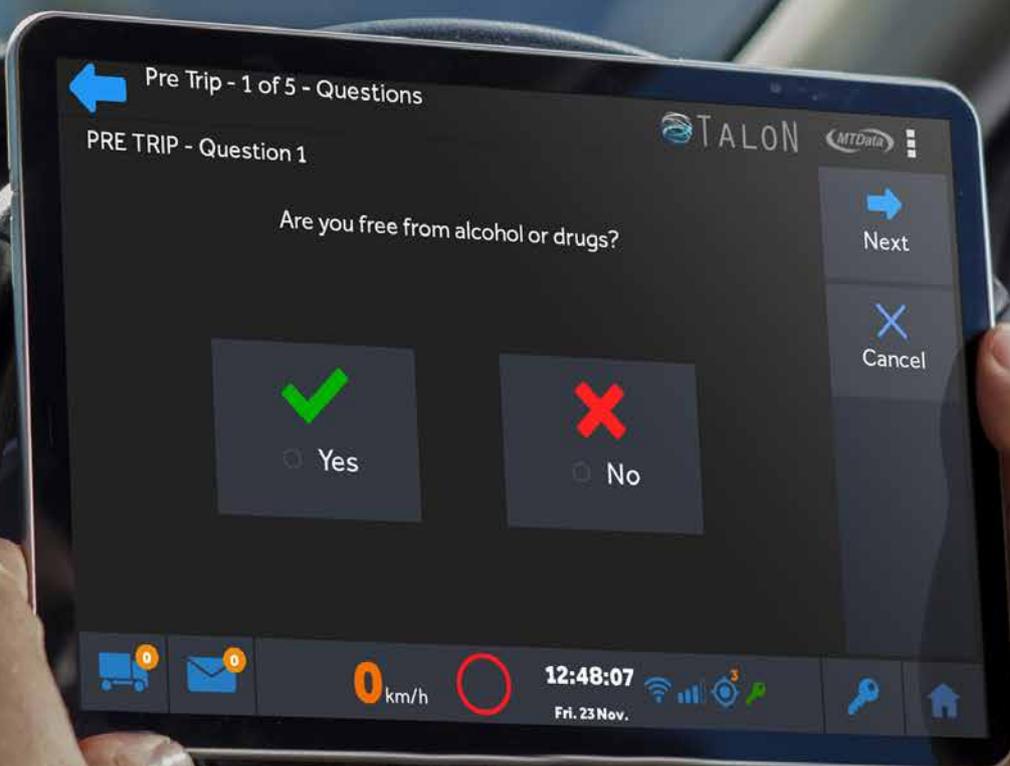
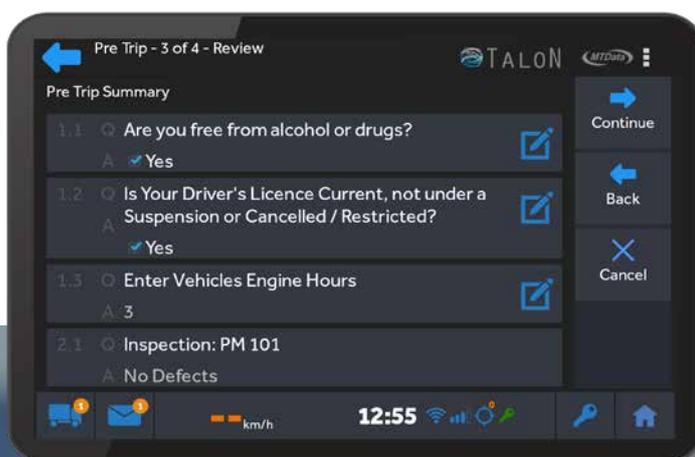
KEY FEATURES

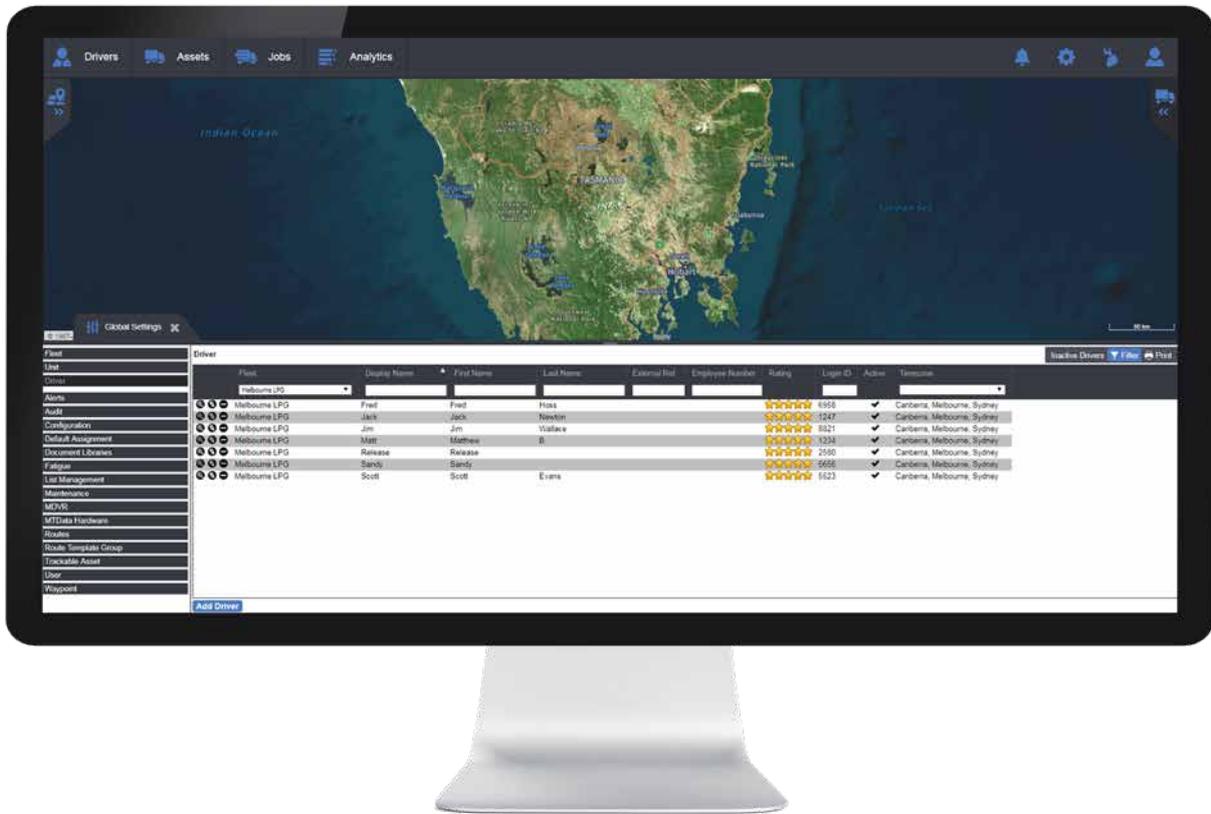
- ✓ Pre-start checklist, Fit For Duty Declaration and more
- ✓ Fatigue monitoring and alerting (under Australian Fatigue Schemes)
- ✓ Over speed monitoring with alerts and reporting
- ✓ Harsh driving monitoring and alerts
- ✓ Driver Points with live alerts for driver management
- ✓ Satellite communication option for live tracking and alerting in remote locations
- ✓ Driver duress and man-down alerting



PRE-START CHECKLIST & FIT FOR DUTY DECLARATION

The integrated tracking unit and tablet solution, Talon, prompts drivers to login and complete a fully configurable pre-trip questionnaire at the commencement and conclusion of a shift or trip. Drivers log in using a unique driver PIN and sign-on glass confirmation. A series of pre-configured questions are then answered to verify that the driver is fit for their shift. This information is time and date stamped and stored on the Hawk-Eye platform. Management can be notified if unsuitable answers are submitted or if the driver commences driving without successful login.





DRIVER POINTS

MTData has created a unique Driver Points module that allows management to streamline the supervisory process and view driver rankings at the touch of a button. This module can be used to promote safe driving behaviour and afford opportunities for recognition by implementing awards, such as “Driver of the Month”.

The scheme is configurable allowing managers to create rules around demerit points. For example, drivers start with 100 points and 5-star driver rating at the start of the month. If a rule is breached or an exception occurs, the driver immediately receives an alert via the in-vehicle solution Talon. Incidences such as site delays, speeding, fatigue breaches and high G-force breaches can all trigger a loss of points. If the breach is critical, an alert can also be sent to the designated manager.

Drivers can view their profile and rating through in-vehicle tablet solution, Talon, which clearly identifies time and date of past breaches, including the location of the breach and number of points deducted. Driver Points enable drivers to improve performance and receive positive recognition.

SPEED BREACH

Please find below a summary of a speed breach from your vehicle.

23/11/2018 11:13:57
 Fleet: Melbourne LPG Vehicle: PM 500 Driver: Matt

OVERSPEED ZONE 1 - TOLERANCE BREACHED (GPS)

Vehicle Speed	104 km/h
Vehicle Max Speed	104 km/h
Speed Limit	N/A
Gear	N/A
RPM	N/A

ZONE LIMITS

ZONE	SPEED BRACKET	LENGTH OF BREACH
Zone 1	100+ km/h	3 seconds

MAP VIEW

MAP | SATELLITE VIEW

STREET VIEW (SE)

DETAIL

Description	Overspeed Zone 1 - Tolerance Breached (GPS)
Fleet	Melbourne LPG
Group	Melbourne LPG
Vehicle	PM 500
Driver	Matt
Date	23/11/2018
Time	11:13:57
Location	Dandenong North
Speed	104 km/h
Max Speed	104 km/h
Speed Limit	N/A
Gazetted Speed Limit	{Gazetted Speed Limit}
Latitude	-37.95057
Longitude	145.21243
GPS Date	23/11/2018
GPS Time	11:13:57
Server Date	23/11/2018
Server Time	00:13:47
Braking G-Force	0
Accel G-Force	0.01
Lateral G-Force	0.04
Vertical G-Force	0.912



SPEED MONITORING

MTData's live tracking solution offers over-speed alerting. This allows fleet managers to identify vehicles that are exceeding either road speed limits or an operator's set speed limits. In the event of a speed exception occurring, nominated recipients can be notified in real-time. This data is also available via on-screen, reports and dashboards, including history replay feature.



REMOTE AREA SATELLITE COMMUNICATIONS

MTData's Iridium satellite enabled tracking device provides the coverage required for vehicles operating in remote areas outside of mobile coverage. This provides operators who run fleets in remote areas with access to live tracking, fatigue management, two-way communication and more. This is a must-have for businesses to ensure driver's safety and compliance with OH&S / WHS legislation.



POINT OF INTEREST - PROACTIVE ALERTING

Encourage safe driving using the web-based platform, Hawk-Eye. Users can set proactive alerts and instructions regarding specific areas for drivers to take extra caution.

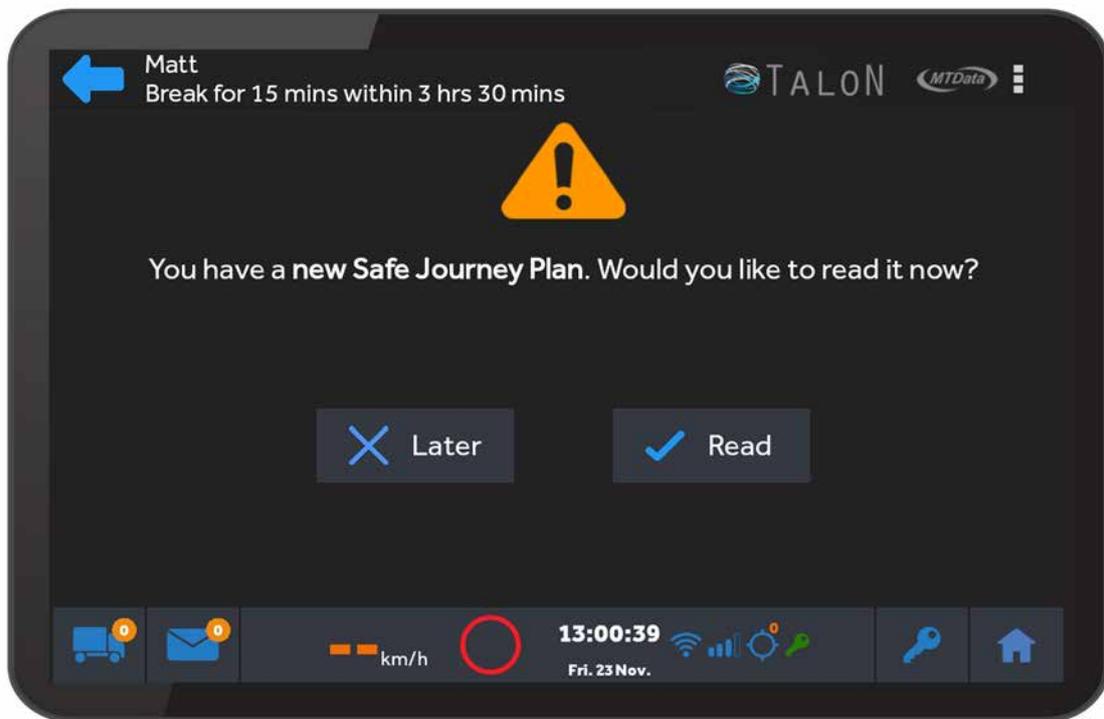
By defining an area as a waypoint or geo-fence, drivers are prompted with an in-vehicle alert upon entry. For example, a steep hill can be marked as a waypoint, instructing drivers to engage a lower gear. To avoid distracting drivers, there is an auto-dismiss feature and text-to-speech option.





SAFE JOURNEY PLAN

The Safe Journey Plan (SJP) is prepared by users in web-based platform Hawk-Eye and dispatched to the driver via the in-vehicle tablet solution, Talon. Once the driver acknowledges and completes the Safe Journey Plan, it is saved and available for inspection by roadside authorities.





FATIGUE MANAGEMENT

MTData understands the complexity that transport operators face daily, with respect to managing driver fatigue. MTData recognises the requirements for an easy to use, yet highly robust solution designed for the Australian transport industry. We offer fatigue management solutions which are compliant with current Australian Fatigue Management Schemes (standard, BFM, AFM, and 2-UP) based on the standardised 28-day work cycle.



ELECTRONIC WORK DIARY CHECKER

Using the web-based platform Hawk-Eye, fleet and compliance managers can utilise an Electronic Work Diary (EWD) validation tool. This enables managers to electronically check, plan and review driver work schedules in line with all Australian Fatigue Schemes including Standard, AFM, BFM and 2-UP.

The module clearly identifies the available driving hours for each driver, when a break should be taken and the required duration of the break. Work, rest and break periods are all colour coded in Hawk-Eye, allowing for easy comprehension. Breaches are shown in red to indicate where intervention is required. This tool can also be used as a stand-alone solution.





COMPLETE FATIGUE: AN INTEGRATED SOLUTION

Complete Fatigue is a proactive and integrated fatigue management solution. It equips both managers and drivers with all the required tools to manage work schedules, improve driver safety and maintain compliance.

Drivers can view scheduled breaks, including duration required, at any point in their journey and will receive on-screen notifications throughout the shift. In the event of a fatigue breach, drivers receive visual and audible alerts and management is also notified.

On Hawk-Eye's live tracking map interface, the driver's icon will appear red if they have not taken their scheduled break. Managers can identify events of fatigue breaches through email alerts, on screen notifications, dashboards and reports.



The notification is titled 'Matt Break for 15 mins Overdue' and features a yellow warning triangle icon. The text reads 'Break over due. Please stop when safe'. At the bottom, there are 'Cancel' and 'Ok' buttons. The device's status bar shows the time as 13:02:23 on Fri, 23 Nov, along with signal strength, Wi-Fi, and battery icons.



HARSH DRIVING & ACCIDENT ALERTING

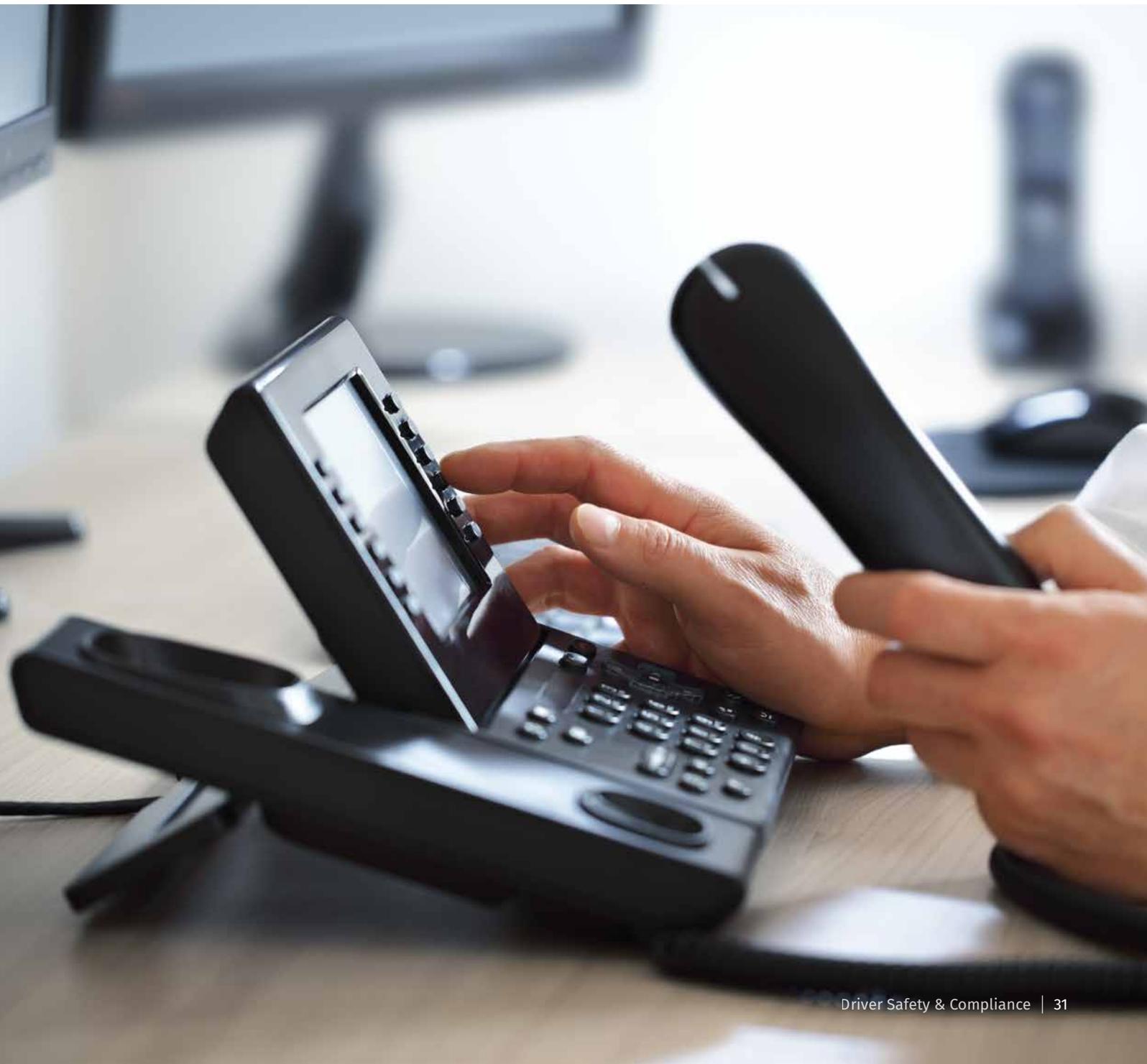
G-force sensors are integrated into MTData's latest tracking unit, providing reports and live alerts of harsh driving. This monitors harsh cornering, heavy braking and hard acceleration, clearly identifying drivers that require additional training. Managing harsh driving reduces the cost of fleet maintenance, vehicle wear and tear and fuel costs. It also minimises the likelihood of an incident or rollover.



DURESS & MAN-DOWN ALERTS

To improve the safety and protection of remote and lone workers, MTDData offers a range of robust and reliable solutions that provide live alerting capabilities. When urgent medical or emergency assistance is required, the driver duress switch can be triggered in-vehicle.

These systems interface with MTDData's tracking unit, providing Hawk-Eye users with live information, including the location of the driver and vehicle at the time of the triggered event. Alerts can be sent to nominated recipients to follow a defined procedure or be diverted directly to emergency responders. This system allows operators to enhance the safety of their drivers whilst ensuring Chain of Responsibility compliance.



VEHICLE MASS COMPLIANCE





KEY BENEFITS

- ✓ Incremental savings by correct loading
- ✓ Improved mass compliance for the operator and driver
- ✓ Payload mass for improved billing
- ✓ Operates on low and high temperatures
- ✓ Maximise payloads
- ✓ Management reports for auditing
- ✓ Identify under-utilised vehicles

KEY FEATURES

- ✓ Integrates with a range of on-board electronic scales
- ✓ Remote weight calibration
- ✓ Vehicle weight check
- ✓ IAP monitoring and On-Board Mass
- ✓ Compliant with HML, CML and GML mass declarations



MASS MANAGEMENT

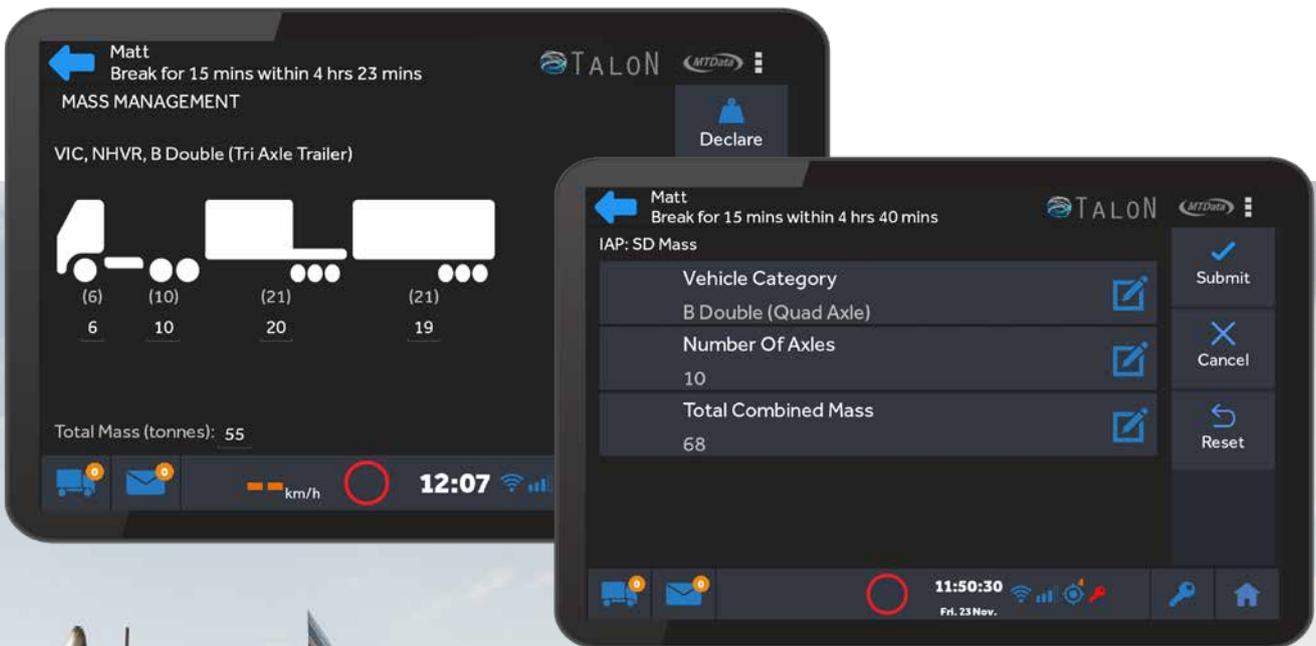
Maximise payload and avoid over-mass infringements with our effective and dedicated on-board Mass Management solution. Our system can integrate with a range of scale systems including LoadSMART and Tramanco. Drivers can input mass declarations via the in-vehicle tablet, Talon, or if vehicles are fitted with electronic scales with data output capabilities, the weights will automatically display to the driver. The mass and vehicle configurations can be defined by operators. If a driver declares weight over the allowable limit, they will be prompted with an over-mass warning.





IAP MONITORING & ON-BOARD MASS

To provide transport operators with greater road access to increase productivity and maximise margins. In-vehicle solution, Talon, supports IAP monitoring, On-Board Mass, the RMS SPECTS scheme in NSW and PBS 50.5t Quad-Semi Trailers in Victoria through certified IAP Service Provider, Transport Compliance Services Pty Ltd (TCS). TCS is a wholly owned subsidiary of MTDData.



VEHICLE & ENGINE MANAGEMENT





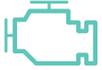
KEY BENEFITS

- ✓ Immediately identify engine issues and irregularities
- ✓ Reduce costs and improve efficiency
- ✓ Keep your vehicles on the road
- ✓ Use data to improve driver performance
- ✓ Enables proactive maintenance of vehicles

KEY FEATURES

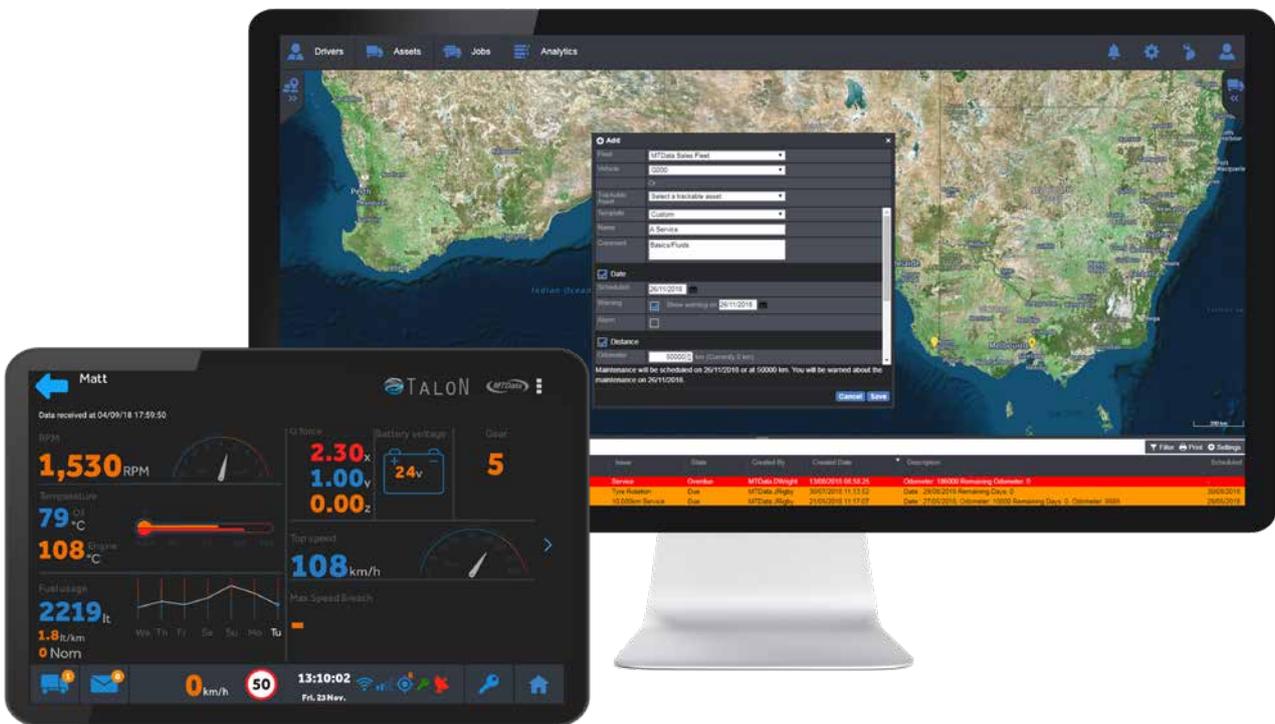
- ✓ Engine management interface
- ✓ Engine data dashboard reporting
- ✓ Set alerts to monitor engine parameters
- ✓ Schedule due vehicle maintenance
- ✓ Receive notifications for due services





ENGINE MANAGEMENT

Access live engine data across your fleet with MTDData's engine management interface. Track the oil and coolant temperature, pressure, RPM, gear recordings, odometer readings, engine hours and fuel consumption. Advanced ECM parameters are also supported, such as active cruise control, ABS events, driver throttle demand and brake applications providing real insight and reporting into driver behaviour. Alerts can be triggered for any exceptions or simply view up to date information. The device is SAE approved and supports SAE1708, SAE1939 and SAE1979 standards. This real-time information coupled with kilometres and engine hours simplifies vehicle maintenance schedules, keeping your fleet roadworthy and compliant.



SCHEDULED MAINTENANCE

Incorporated into MTDData's web-based platform, Hawk-Eye, is an easy to use Workshop Service and Maintenance Scheduler. Notification emails and colour coded statuses will advise when vehicles are due for service and the type of service required. Service alerting can be programmed according to date, odometer kilometres or engine hours. This takes the hard work out of managing the service schedule or relying on drivers to advise you when services are due.

INTEGRATED TRUCK CAMERA SOLUTION





KEY BENEFITS

- ✓ Assist with employee, asset protection and compliance requirements
- ✓ Integrates with MTDData's tracking units
- ✓ Provides insight into critical events
- ✓ Monitor and manage driver behaviour
- ✓ Industry leading high-resolution video with a user-friendly interface
- ✓ Professionally installed and hardwired into vehicle

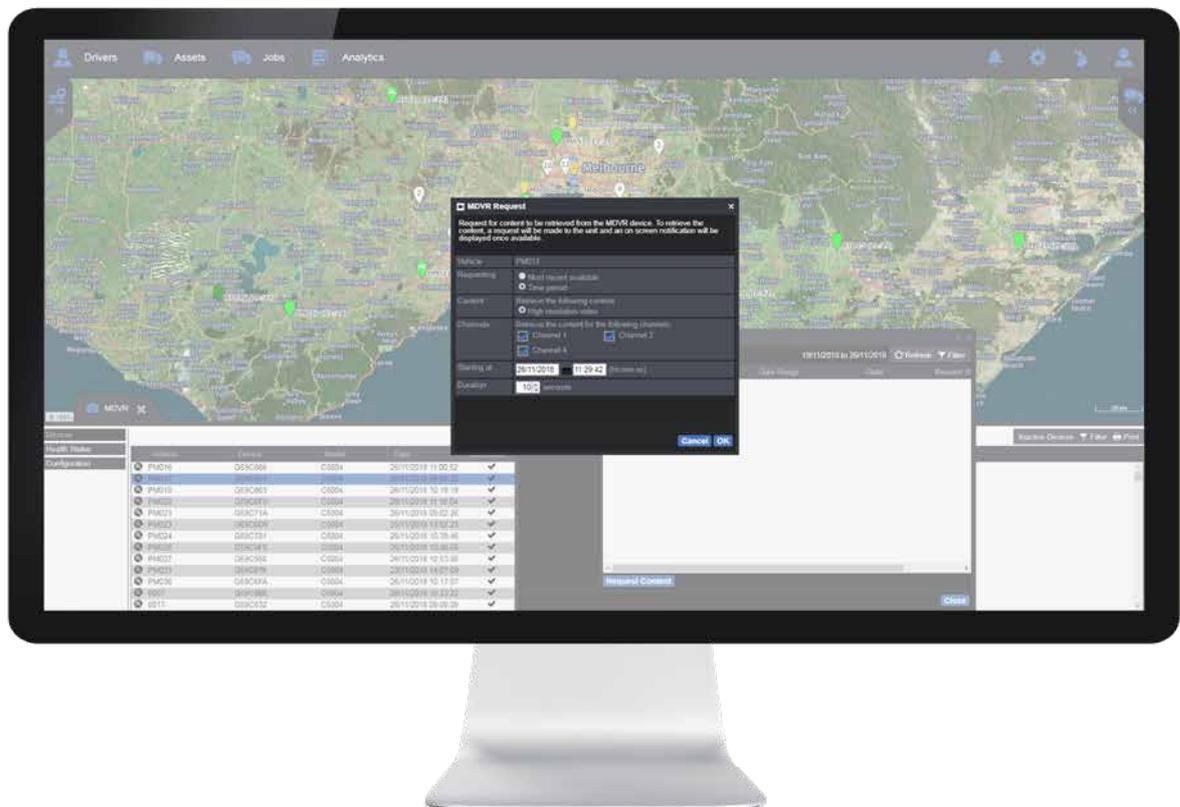
KEY FEATURES

- ✓ Connect multiple internal and external camera channels
- ✓ Multi-view for front, rear, side and in-vehicle footage
- ✓ Auto-capture based on G-force events
- ✓ Alerts for tampering, incidents and triggered duress switch
- ✓ View recorded footage combined with map locations



HIGH-RESOLUTION VIDEO RECORDING

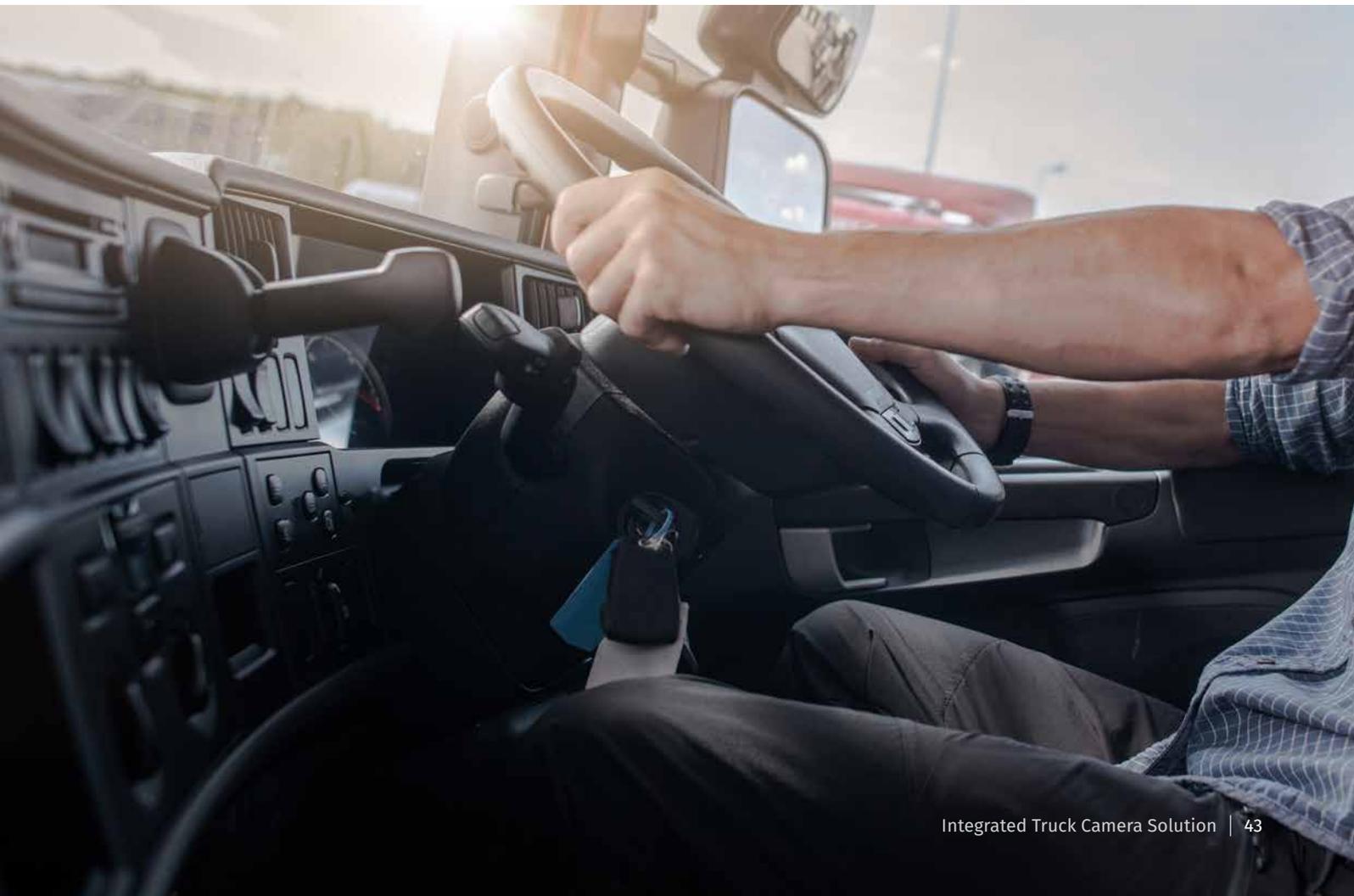
MTData's Mobile Digital Video Recording (MDVR) solution is designed and built for the transport industry to monitor and manage remote vehicles. Hardwired within the vehicle, it integrates with MTData's tracking units to combine footage with map locations, speed and G-force readings. Enabling proactive management, the camera solution can be configured to send immediate alerts in the event of an accident, a triggered duress switch, camera failure or unit tampering.



The high-resolution video recording unit supports multiple internal or external camera channels. It is a robust system that has the components and durability to deal with temperature changes, unstable voltages, vibration and shock, and is able to record right up to the disconnection of power.

This camera solution can be mounted several ways including:

- Forward facing - recording the driver's view of the road over their shoulder
- Inward facing - recording the inside of the cabin and the driver
- Mirror mounted - recording along the side of the vehicle, including nearby motorists and lane usage



ASSET & REFRIGERATION TRACKING





KEY BENEFITS

- ✓ **Meet Cold Chain compliance and quality assurance**
- ✓ **Manage scheduled maintenance**
- ✓ **Prevent unit failures and shut downs**
- ✓ **Gain visibility into your operations**
- ✓ **Maximise asset utilisation**
- ✓ **Recover lost or stolen assets**
- ✓ **Enhance customer service**

KEY FEATURES

- ✓ **Independent asset tracking**
- ✓ **Monitor kilometres travelled and doors opened or closed**
- ✓ **Refrigerated temperature monitoring**
- ✓ **Monitor supply air, return air and zone temperatures**
- ✓ **Receive notifications for specific temperature variations**



ASSET TRACKING

MtData offers multiple asset tracking solutions to meet our customer's needs. There is a range of hardwired, battery powered and solar powered trackers for everything from trailers to plant equipment. Journey history can be tracked 24/7 on our web and mobile-based platforms, showing time and date stamp for each location. With our more comprehensive asset trackers, integration with third party inputs are available as well as driver behaviour metrics like brake applications, speed and G-force events.



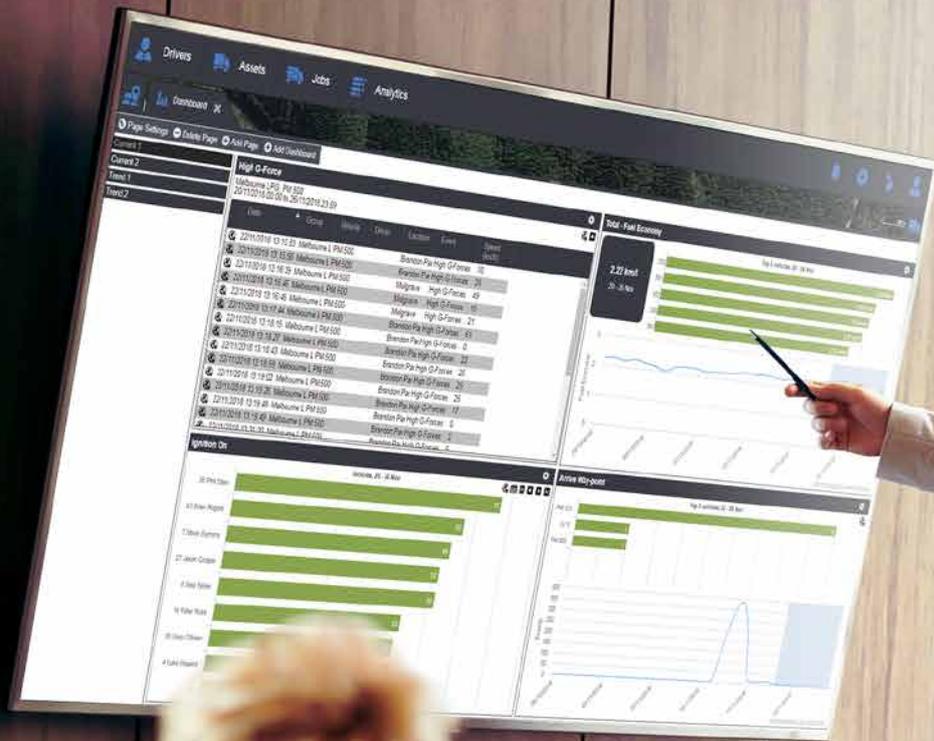
REFRIGERATED TEMPERATURE MONITORING

MTData can provide integrated GPS tracking and temperature monitoring solutions for refrigerated trailers, including Carrier and Thermo King. Avoid damaged stock, ensure quality assurance and enhance your Cold Chain compliance through live monitoring.

Remotely view your set point, return and supply air temperatures of the entire fleet, online 24/7 or schedule comprehensive reports at your required frequency. Once your refrigerator's temperature has been set, operators can set alerts based around acceptable temperature variations. Immediate notifications are also provided for any events of engine failures, unit shut downs, low fuel, low battery voltage and engine error codes. Up to date information is critical for appropriate responses and proactive management.



REPORTING & ALERTING





KEY BENEFITS

- ✓ Analyse data for effective management of resources
- ✓ Record exact location and time of events
- ✓ Be notified as early as possible to respond to situations
- ✓ Greatly reduce time required for payroll and customer invoicing

KEY FEATURES

- ✓ Receive live alerts for defined events
- ✓ Non-conformance reporting and action management
- ✓ Schedule reports for delivery by email and phone
- ✓ Flexible drill-down dashboard reporting
- ✓ Vehicle and driver utilisation data
- ✓ Exception reporting and alerts



COMPREHENSIVE REPORTING

Actionable information is required to make informed decisions. MTDATA's web-based platform, Hawk-Eye, automatically consolidates and presents fleet data into tables and Excel spreadsheets. This information can then be analysed for improved efficiency and to identify areas for consideration.





FRINGE BENEFITS TAX

MTData offers a module that allows you to easily report on Fringe Benefit Tax (FBT) exemptions. This process is now completed electronically by the driver at trip commencement, saving time and ensuring fast FBT reporting.



FUEL TAX CREDITS

Fuel Tax Credits (FTC) can be applied against the cost of fuel consumed for any vehicle driven for business purposes on non-public roads. MTData works closely with a third party who use an FTC calculation module that will calculate the fuel tax credits from usage data, providing it to ATO in the required format. This FTC module uses the latest algorithms, map data and business intelligence to maximise the FTC claim across your fleet.



PERFORMANCE DASHBOARDS

Dynamic dashboards give you the visibility to see fleet trends and identify specific areas for improvement. These dashboards display data in an easy to interpret manner and can be customised for each business unit. They can incorporate different metrics such as fuel consumption and efficiency, distance travelled, speed, engine idling and high G-force events.





NON-CONFORMANCE REPORTING & CORRECTIVE ACTION MANAGEMENT

MTData's Non-Conformance Reporting (NCR) tool automatically records and registers all non-conformance events providing end to end management reporting. Configure reporting on specific events such as fatigue breaches, speeding, irregular engine data and holding times. This allows for full transparency of date, time and location. Corrective action can then be taken allowing for streamlined processes and improved efficiency.



ALERTING & NOTIFICATIONS

Comprehensive live alerting can be configured for almost any defined or critical event. Giving the ability to proactively manage your fleet and take immediate action when an event or exception occurs.

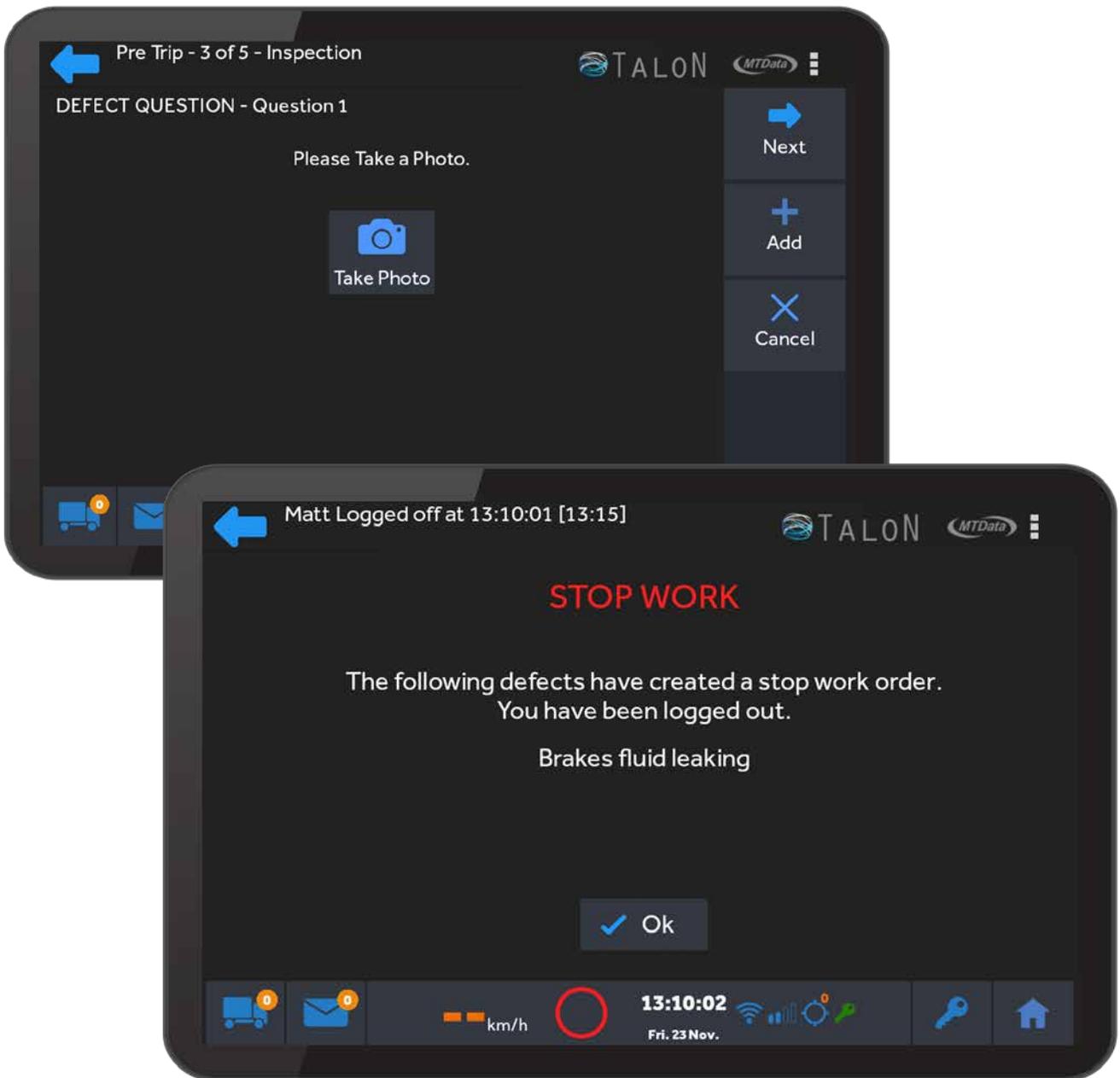


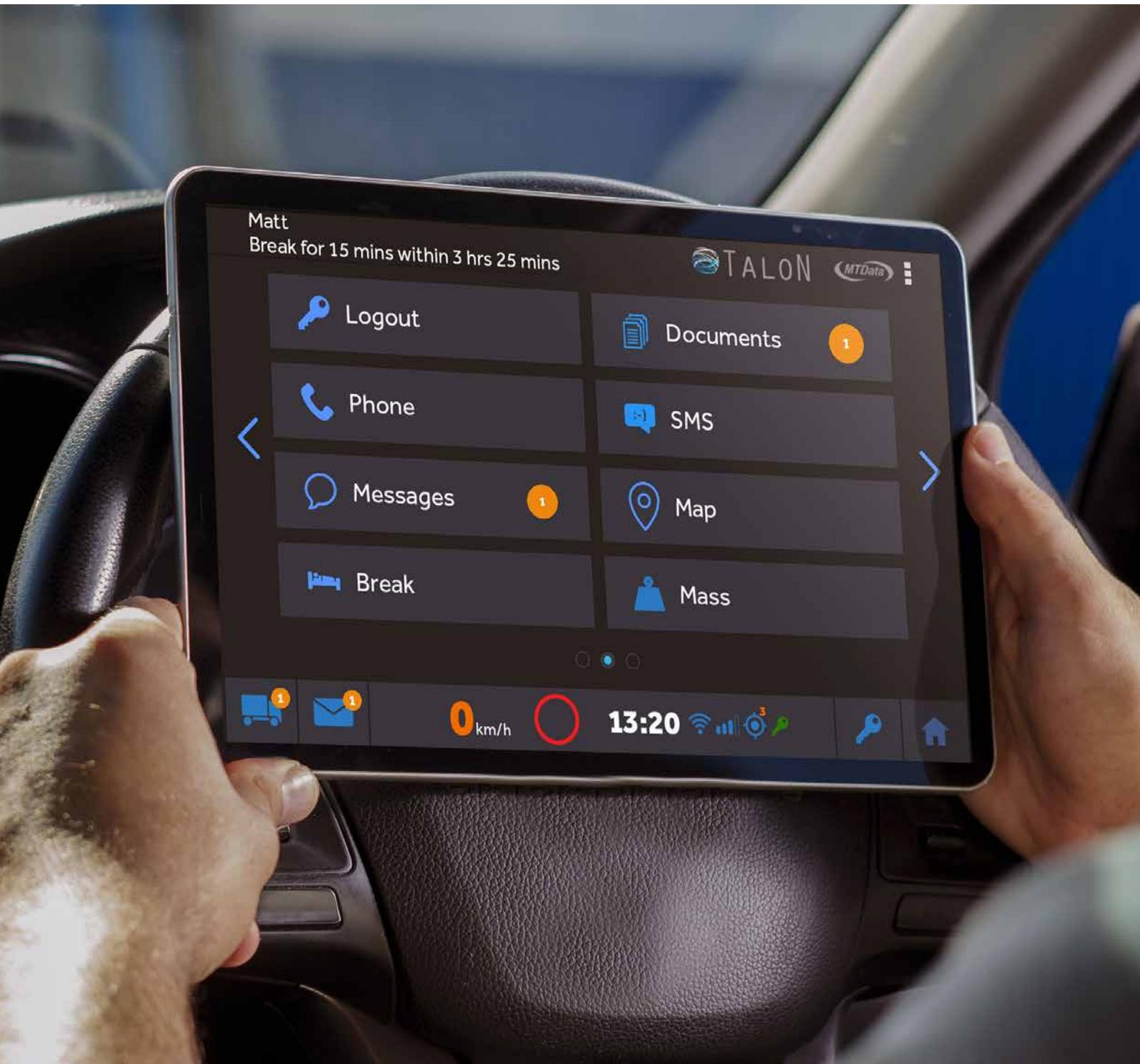
INSPECTION, DEFECT & INCIDENT REPORTING

Drivers are prompted to complete an inspection report before and after they drive a vehicle. Any defects or incidents raised will send email alerts to notify management. The inspection list is configurable and can be broken down into different categories i.e. engine, tyres, trailer/assets, prime mover and equipment.



When raising a defect, drivers can include the type and severity of a defect, attach photos and add comments. Drivers reporting a critical defect or incident will prompt a “Stop Work” alert on the in-vehicle device, Talon.





Matt
Break for 15 mins within 3 hrs 25 mins

TALON

MTData

Logout

Documents 1

Phone

SMS

Messages 1

Map

Break

Mass

1

1

0 km/h



13:20



 www.mtdata.com.au
 1300 683 282
 enquiries@mtdata.com.au


A Telstra Company

