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Fuel Management, just easier

A solution built for your industry





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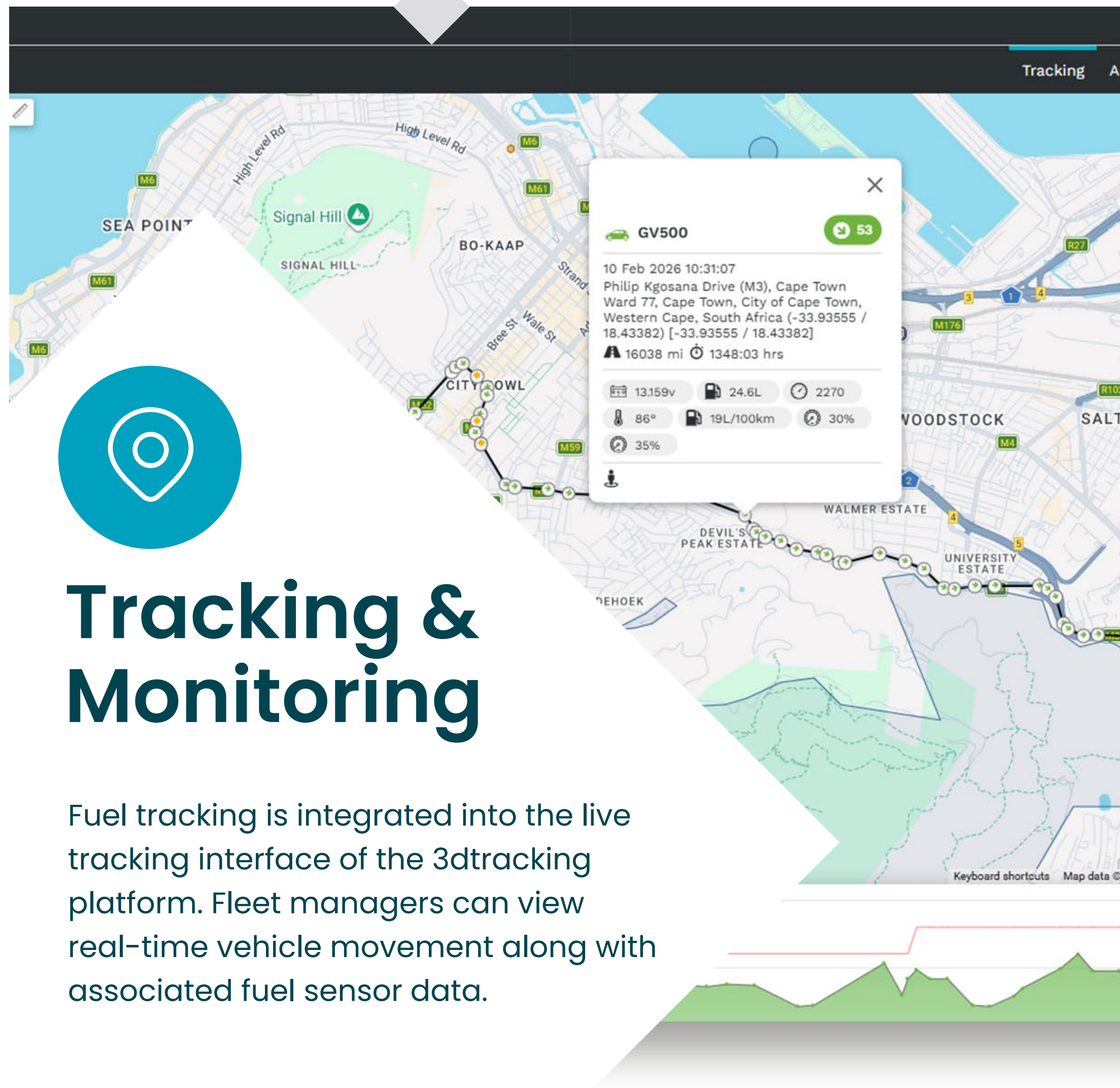


Reliable. Scalable. Easier.

We make telematics easier—for you and your clients. With white-label flexibility, smooth onboarding, and expert support that evolves alongside your business, **3Dtracking** gives you the tools—and the partnership—you need to deliver a world-class tracking experience.



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Tracking & Monitoring

Fuel tracking is integrated into the live tracking interface of the 3dtracking platform. Fleet managers can view real-time vehicle movement along with associated fuel sensor data.

Key capabilities include

Live Tracking Fuel Visibility

- ◆ Fleet managers can instantly see fuel level, fuel consumption data, and other sensor metrics.
- ◆ All tracking data is displayed on the map interface, enabling fleet managers to visually investigate fuel incidents along a vehicle's route.

Fuel Level Charts

- ◆ Clicking on a fuel sensor value opens a visual fuel level chart.
- ◆ The chart displays fuel levels over a selected time period.
- ◆ Charts can be exported as images or PDF files for reporting or investigations.

Trip-Based Fuel Analysis

- ◆ Fleet managers can analyse fuel level at specific locations and timestamps during a trip.
- ◆ This allows investigation of anomalies such as sudden fuel drops or abnormal consumption.

Trip Behaviour Correlation

- ◆ Driver behaviour metrics (harsh braking, acceleration, cornering, excessive idling) can be reviewed alongside fuel data.
- ◆ This helps identify drivers whose driving patterns negatively impact fuel consumption.



Real-time fuel alerts

These real-time alerts provide instant notifications of unauthorized fuel activities, such as unusual refills or rapid decreases in fuel levels, enabling swift action to secure assets and reduce losses.



Primary fuel alerts available include:

Low Fuel Level Alert

- ◆ Triggered when fuel drops below a predefined threshold.
- ◆ Helps prevent vehicles running out of fuel and ensures proactive refuelling.

Fuel Refill Alert

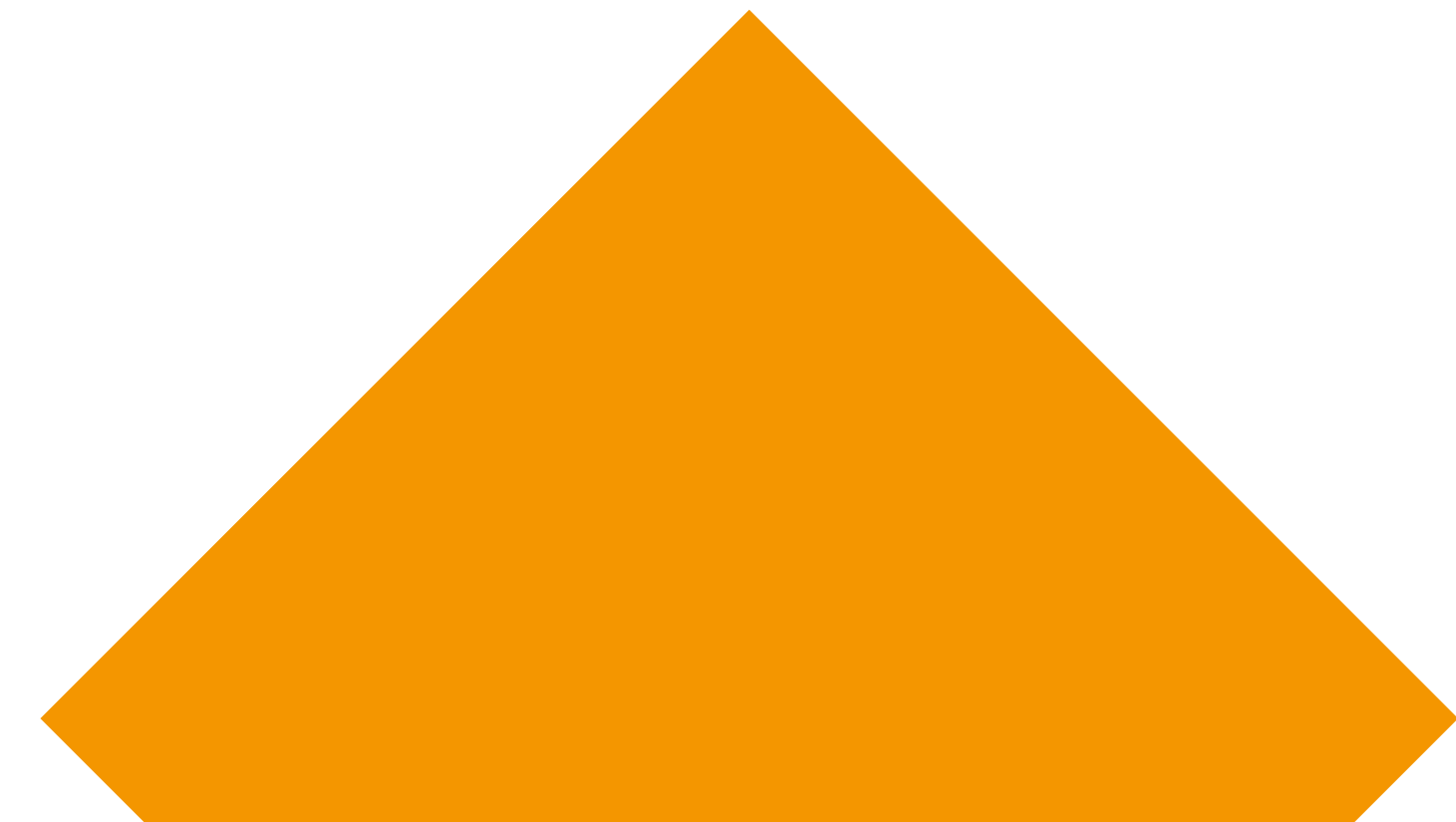
- ◆ Triggered when a significant increase in fuel level is detected.
- ◆ Allows managers to confirm that refuelling events occur at the correct time and location.
- ◆ Useful for validating fuel purchases against receipts.

Fuel Sudden Decrease Alert

- ◆ Triggered when fuel decreases rapidly over a defined period.
- ◆ Typically indicates possible fuel theft or siphoning.

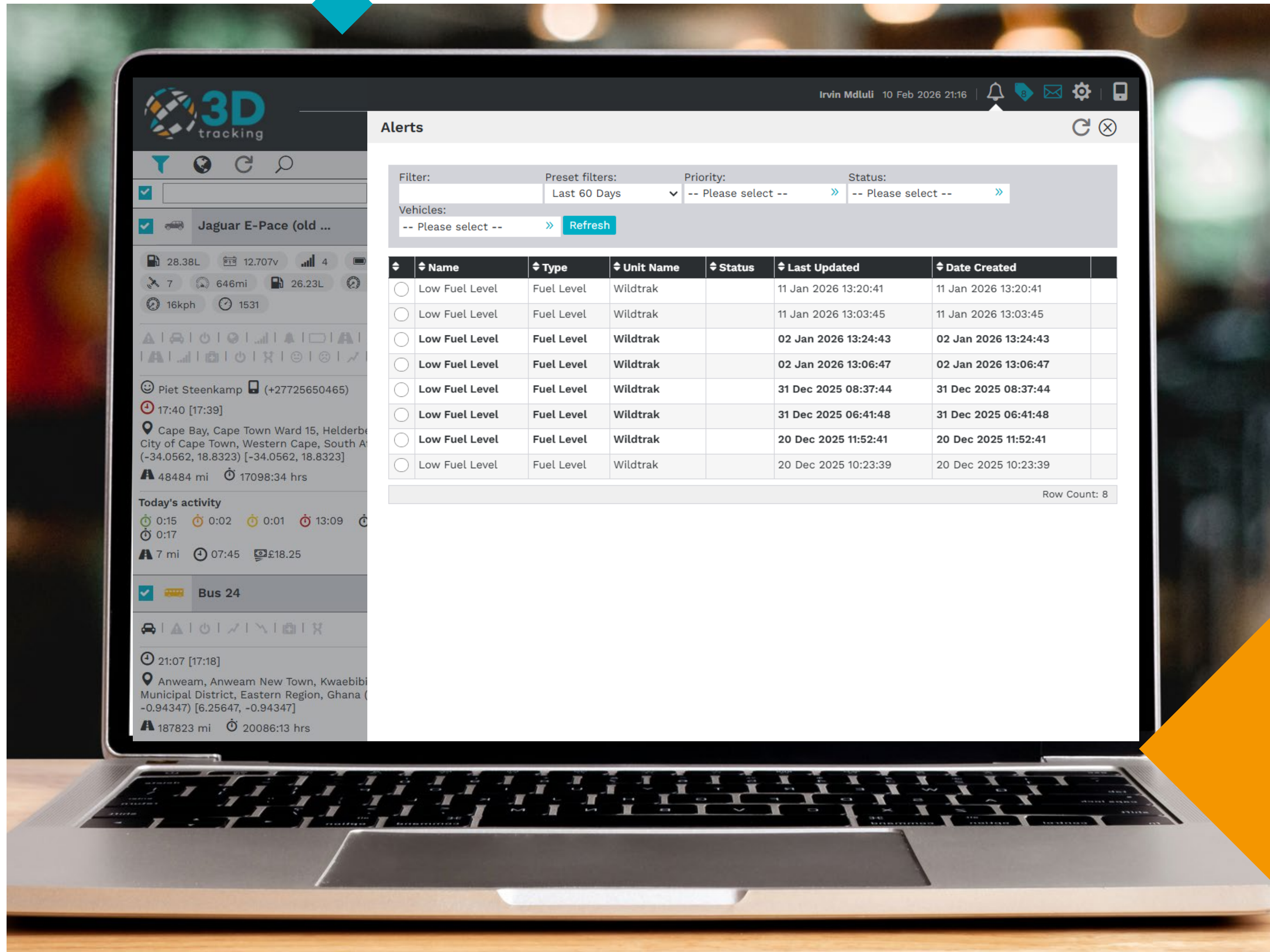
Example configuration:

Alert if fuel decreases by 5 litres within 15 minutes.





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Alerts can be delivered through:

- ◆ **Platform** notifications
- ◆ **SMS** alerts
- ◆ **Mobile application** notifications
- ◆ **Webhooks**



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Detailed fuel reporting

Actionable data insights

The platform equips fleet managers with detailed reports to monitor fuel levels, analyse trip costs, and detect anomalies.

Fuel reports allow detailed analysis of fuel usage across vehicles, routes, and time periods.

Available fuel reports include

Fuel Consumption Report

- ◆ Shows fuel used between a selected start and end date.
- ◆ Includes start location, end location, fuel consumed, and route mapping and more.

Fuel Refill (Increase) Report

- ◆ Displays all refuelling events.
- ◆ Identifies when and where fuel increases occurred. Including refueling volume

Fuel Sudden Decrease Report

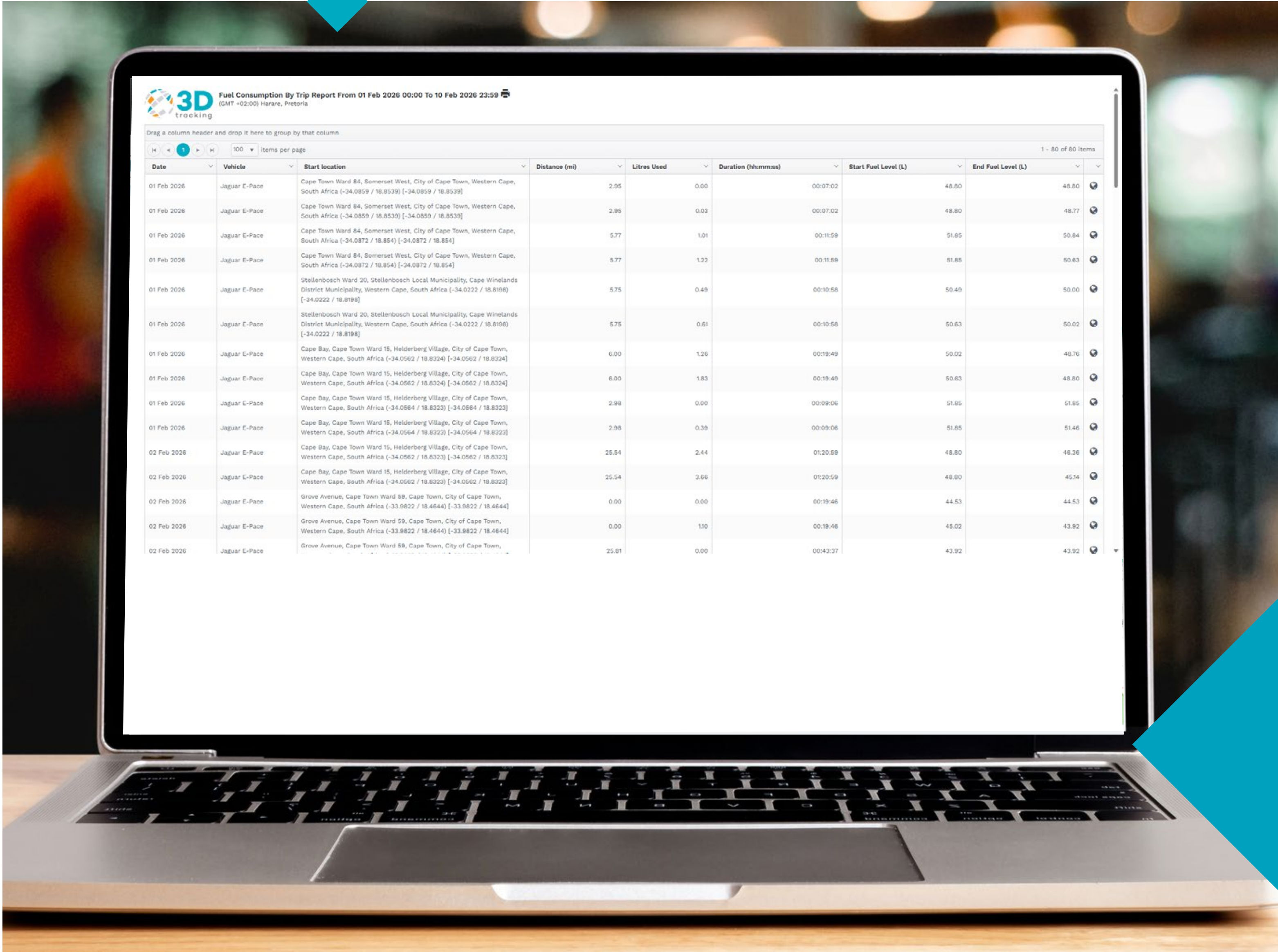
- ◆ Lists all sudden fuel drop incidents.
- ◆ Includes location, quantity of fuel decrease, and time of occurrence.

Fuel Consumption by Distance

- ◆ Calculates fuel usage over a specific distance travelled.
- ◆ Useful for comparing route efficiency.



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Fuel Summary Report

- ◆ Provides an overview of fuel usage across vehicles within a selected period.

Reports include customizable columns such as:

- ◆ Date
- ◆ Vehicle
- ◆ Start and end locations
- ◆ Fuel levels
- ◆ Distance travelled
- ◆ Map links



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Interactive Fuel Charts

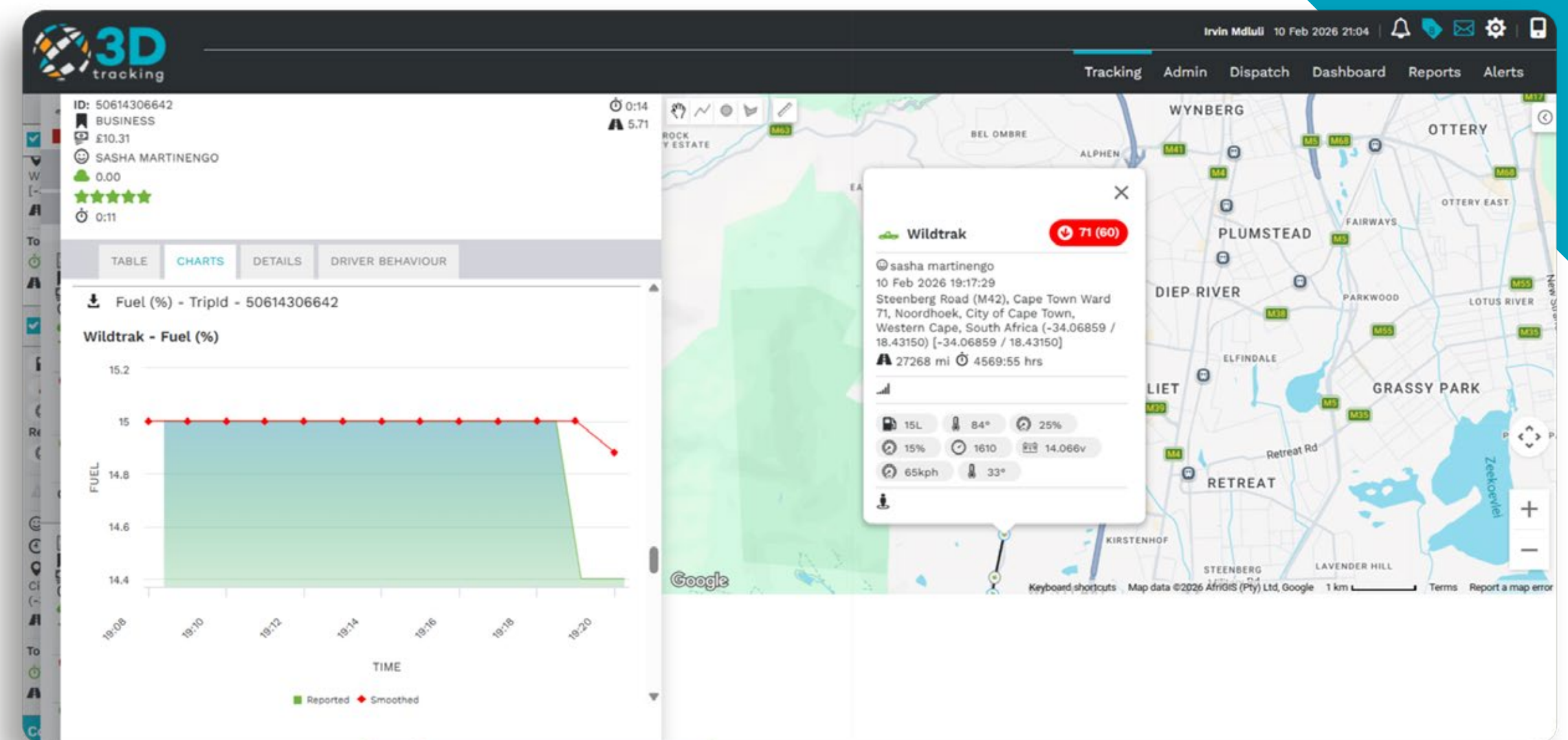
Our interactive fuel charts present fuel metrics in a clear, graphical format, enabling users to quickly identify trends and anomalies. Users can zoom into the chart to analyze fuel activity down to the second, providing detailed insight into fuel events and consumption patterns.

When used alongside other fuel management features, these charts provide actionable insights that help fleet managers monitor usage, detect irregularities, and improve fuel control.

Fuel Smoothed Chart

The fuel smoothed chart addresses a common shortfall in many telematics platforms: false fuel increases and decreases caused by fuel movement inside the tank (for example during acceleration, braking, or driving on uneven terrain).

Our advanced fuel algorithm filters out these spikes, removing noise from the data and producing a clean, smooth chart line that more accurately reflects the vehicle's actual fuel movement and consumption.





Fuel Log

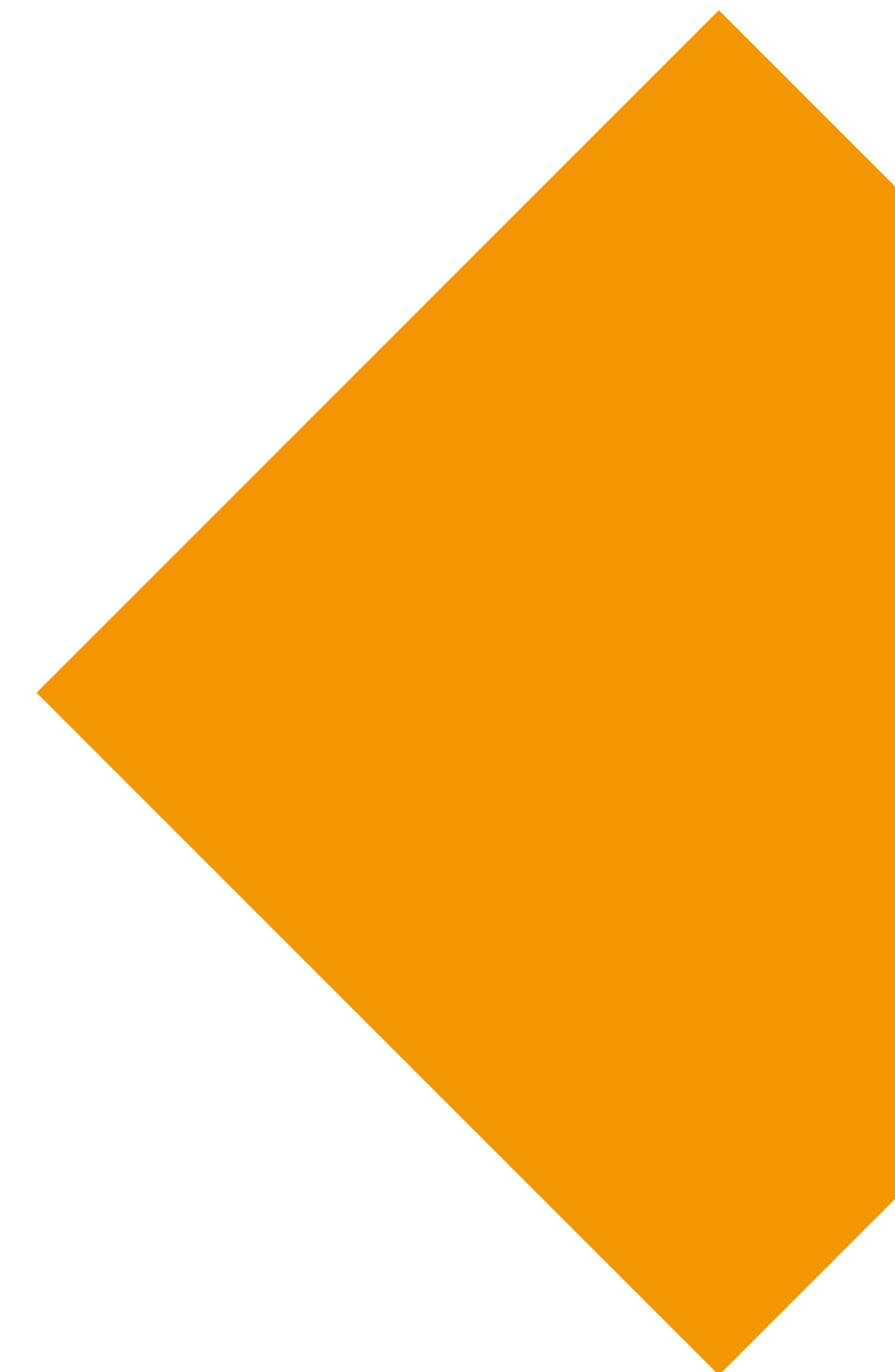
The fuel log allows fleet managers to record every refuelling transaction within the platform.



Capabilities include:

- ◆ Capturing fuel receipts and transaction details
- ◆ Recording fuel quantity and cost
- ◆ Associating transactions with vehicles
- ◆ Maintaining a centralised historical record of fuel purchases

By combining fuel logs with fuel reports, organisations can reconcile fuel purchases with actual consumption.





Use Case: Managing Fuel Costs for a Logistics Delivery Fleet

A logistics company operates a fleet of 80 delivery trucks transporting goods between regional warehouses and retail distribution centres.

Challenges faced

- ◆ **Rising fuel costs** impacting operating margins
- ◆ **Suspected fuel theft** at overnight parking locations
- ◆ **Inconsistent driver behaviour** increasing fuel consumption
- ◆ **Lack of visibility** into refuelling activities



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Solution using the Fuel Management Features:

Track:

Fleet managers monitor fuel levels in real time through the live tracking dashboard. If a truck reports abnormal fuel levels during a delivery route, managers can immediately investigate the trip.

Alert:

Fuel sudden decrease alerts notify the operations team if fuel drops rapidly while the vehicle is stationary. This allows immediate investigation of potential fuel theft.

Refill alerts notify the team whenever a truck refuels, allowing verification against fuel receipts.

Reports:

Monthly fuel consumption reports reveal which vehicles and routes consume the most fuel. Fleet managers discover that certain delivery routes are significantly less efficient.

Driver behaviour analysis shows that aggressive acceleration by specific drivers is contributing to higher fuel usage.

Fuel logs:

Fuel receipts from drivers are captured in the fuel log and compared against automated fuel refill alerts to detect discrepancies.

Results

- ◆ **Fuel theft incidents** reduced through immediate alerting
- ◆ **Improved route planning** lowered fuel consumption
- ◆ **Driver coaching** reduced aggressive driving
- ◆ **Accurate reconciliation** between fuel purchases and actual consumption

The combined fuel tracking, alerts, reports, and logging features provide the fleet operator with full operational visibility and control over fuel costs.



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Ready for an easier fuel management solution?

Book a live demo or talk to a
product consultant today.

For more information contact us:

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www.3Dtracking.com

