proxicam™

Our Vision Saves Lives™

FLEET HQ®

User Guide

V0.2
May 2025

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1. About This Guide

1.1. Intended Audience

This user guide is intended for use by end-users, product development, technical support, as well as system integrators, resellers and distributors of the Proxicam system.

1.2. Document Scope

The main objectives of this document are to provide an overview of how to navigate and use the FleetHQ platform, relative to the Proxicam Pedestrian Detection and Alert System, detailing the essential features and functionalities of FleetHQ. It aims to equip users with the knowledge needed to efficiently view and report on asset telemetry and pedestrian detection event video data.

1.3. Related Documentation

The following documents should be used in conjunction with this manual:

- Proxicam Product Manual

1.4. Document Version History

Revision	Author	Date	Notes
0.1	Tom Werner	07/2024	Document Created
0.2	Clive Rogers	05/2025	Removed Automation section. Fixed table of contents Misc corrections

2. FleetHQ Overview

FleetHQ is a centralised back-end platform that provides advanced interoperability and compatibility with all types of telemetry hardware, IoT devices, smart ecosystems and specialised applications.

The cloud-based portal enables real-time notification of Proxicam events, including video and asset telemetry data, with dashboards and reporting functionality for data analysis.

Additional functionality of controlling, parsing and forwarding the data to external systems via API is not covered in this document. Please contact Proxicam support for API details.

3. Key Features

- **Web-based Application**

  FleetHQ is a web-based portal at www.fleethq.com.au and is compatible with all common web browsers, but Google Chrome browser is recommended.

  NOTE: Ensure that video playback is enabled and not inhibited by corporate Security Policies relative to internet browser usage.

- **Collates Data and Video**

  FleetHQ receives data from the Proxicam DV-Hub and other connected devices, including;

  - Proxicam pedestrian detection event data
    - 10 second Event video, from all 4 video channels
    - Event Location (GPS)
    - Event Time & date
    - Asset speed & heading at time of event
  - Continuous asset telemetry data
    - Asset start / stop
    - Asset location
    - Asset speed & heading

- **Dashboards & Reporting**

  FleetHQ provides easy-to-read dashboards and customisable reports which can be automated and scheduled.

- **Data Integration**

  Through API, listeners and forwarders, data can be transferred into and out of the platform, for integration with external applications.

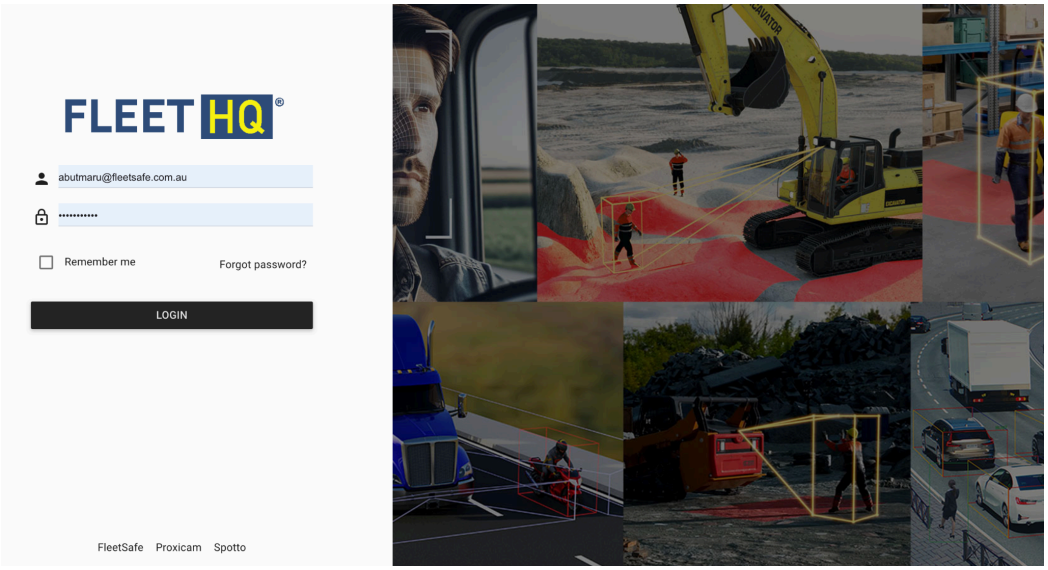
4. Account & Login

4.1 Account Creation

- Login credentials will be provided to you by FleetSafe.
- If you did not receive credentials please contact **hello@fleetsafe.com.au**

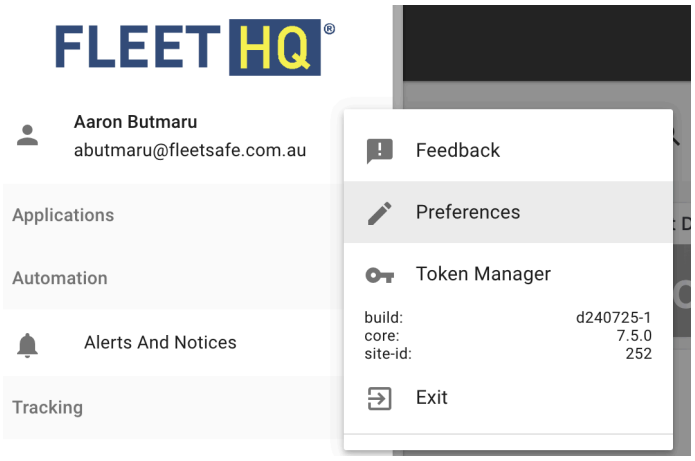
4.2 Logging In To FleetHQ

- Enter your username (email address) and temporary password into the login page



5. Setting Preferences

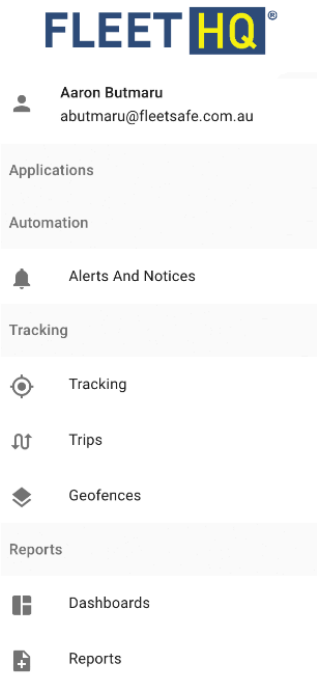
- When logging into the platform for the first time, it is recommended users adjust preferences, settings, and set a new password.
- Click on the top left corner “burger” menu. 
  Select the ellipsis (three dots) next to your username, then select *Preferences*.
- In *Preferences* users can adjust the unit of measurement, language and date settings, and set a new password.



6. Navigating The Platform

Use the left-side navigation bar to access the platform’s main functions.

- Click on the top left corner “burger” menu.  to open the menu and gain access to the following:
  - Alerts & Notices
  - Tracking
  - Trips
  - Geofences
  - Dashboards
  - Reports



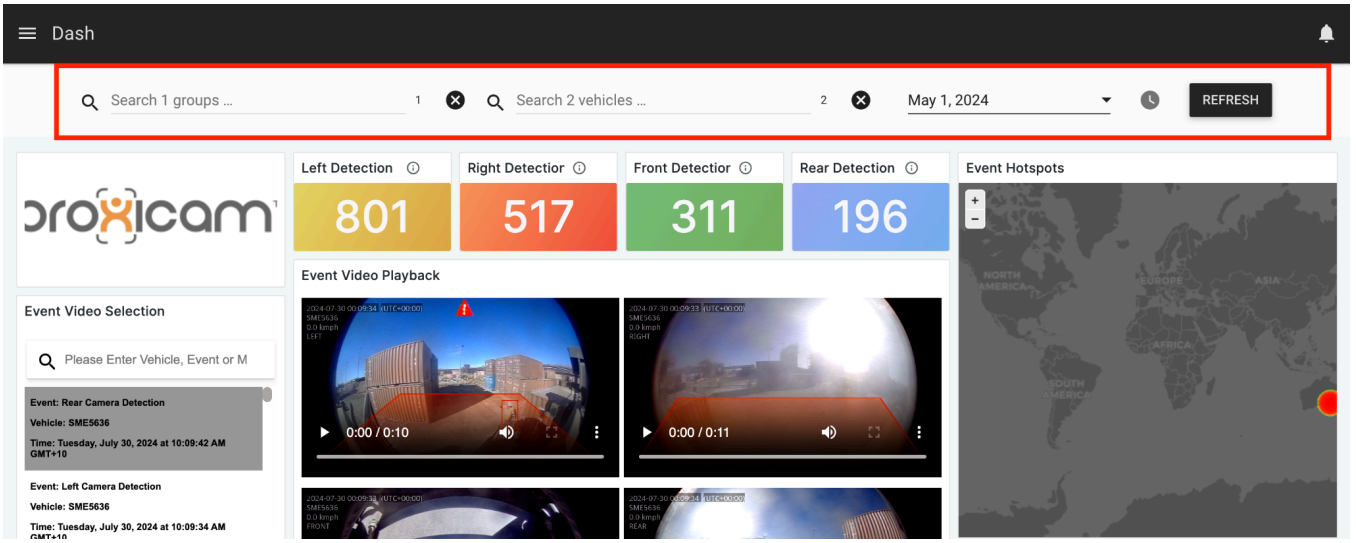
7. Main Functions

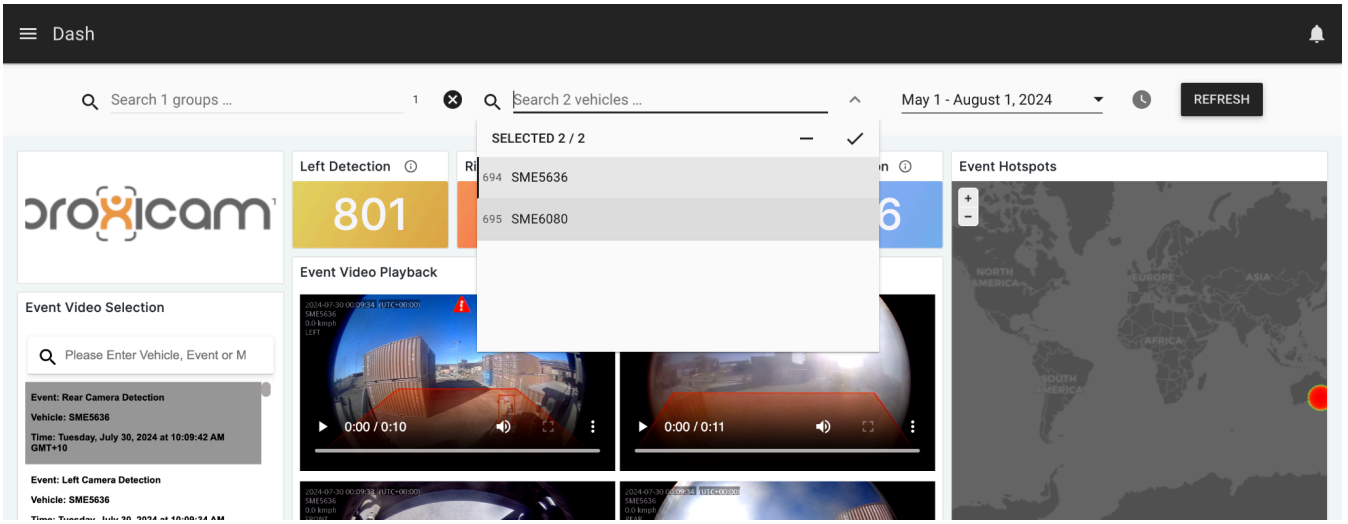
7.1 Dashboard

The Proxicam dashboard provides a centralised view of the Proxicam Event data aggregated from all connected assets.

Data Filters

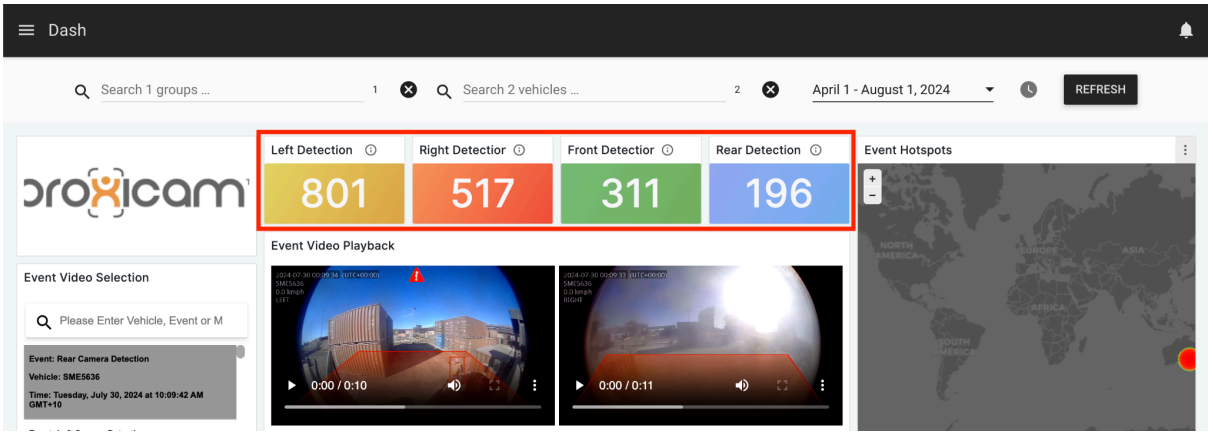
- Users can adjust the data set in the dashboard by filtering the Groups (business units, depots, geographic location etc.), Assets (by registration), and Date range.
- Alternatively, an entire fleet can be viewed by selecting all options in both data filters.
- Selecting the Refresh button will populate the dashboard with the selected filters.





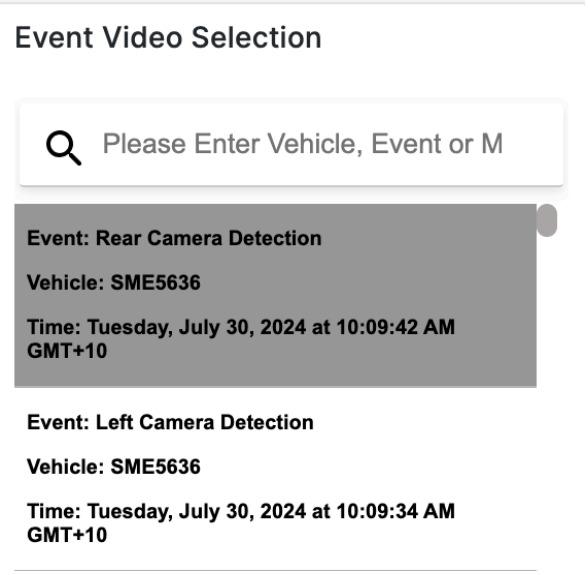
Detection Event Overview:

- Gives a total of Proxicam detection events, grouped by which Proxicam camera they were detected by. (left/right/front/rear)

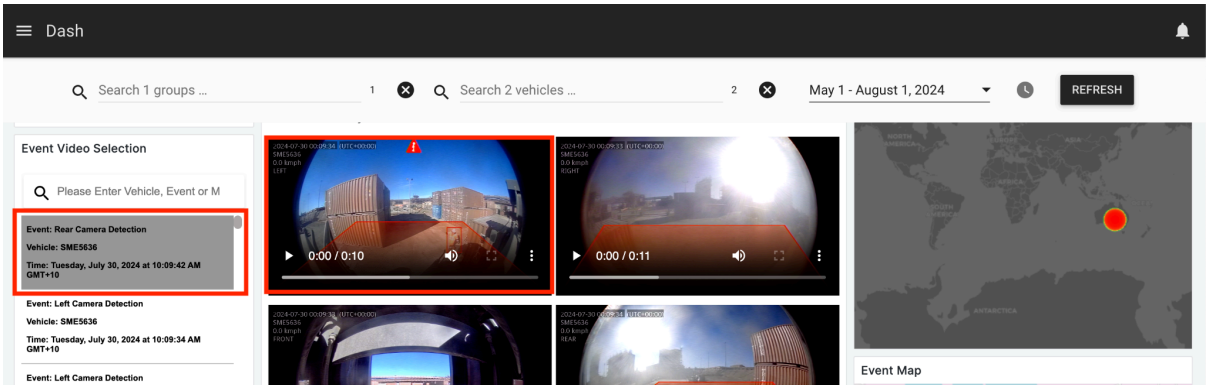


Event Video Selection

- All Proxicam detection events for the filtered period will be displayed in this section.
- Events are ordered by date, from newest to oldest.
- Data includes:
  - Which camera triggered the event
  - Asset ID / Rego
  - Time & date of the event
- Selecting an event loads the corresponding event video, from all 4 cameras.
- Users can also filter for a specific Asset or Event to narrow down the Event Video results.

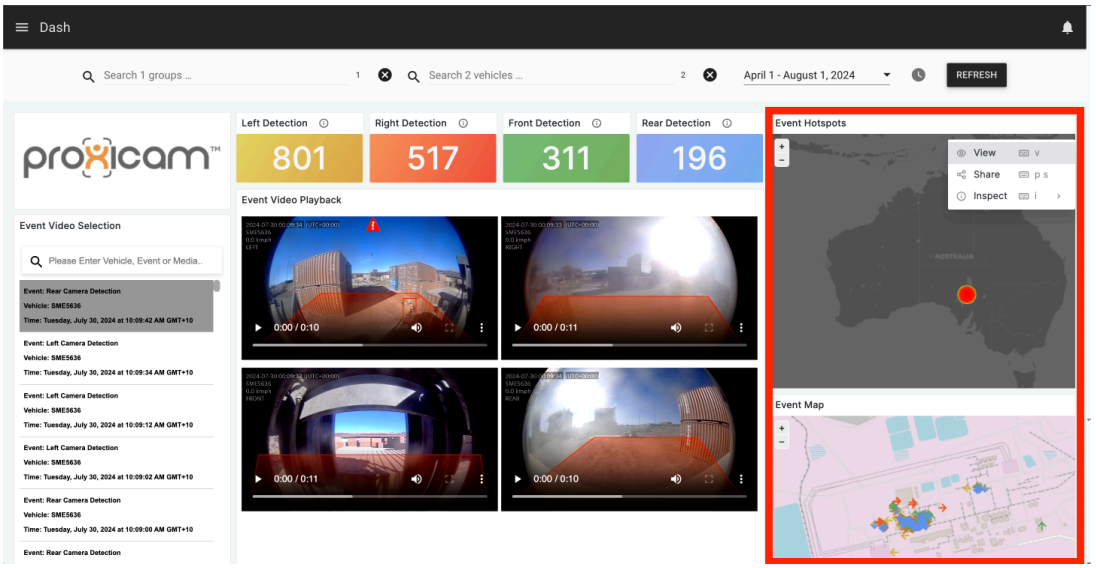


Event Locations



- Proxicam detection events are displayed on the Event Map, with an arrow indicating the detection zone (left / right / front / rear) that triggered the event.
- Use the +- buttons to zoom in/out
- The Hotspots map groups detection events for statistical purposes.
- Users can select a larger view or share the report by navigating to the ellipsis in the top right corner of the map module.

Ready-made Reports

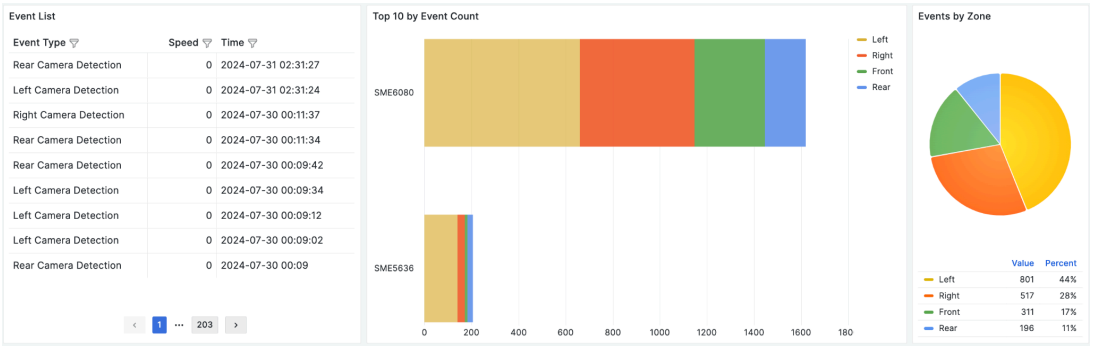


Based on the data filters applied, FleetHQ will generate the following reports:

- **Event List**: ordered by date from newest to oldest, this report displays all events
- **Top 10 by Event Count**: highlights the Assets with the most Events, including which Proxicam camera the event was triggered by.
- **Events by Zone**: breaks down the total number of Events by Proxicam camera.

Event List

- Data in each column can be filtered and sorted by clicking the icon.
- Clicking the ellipses icon in the top right corner allows users to share, inspect and export the data



7.2 Reports

The reports function allows users to run detailed reports which can be customised by:

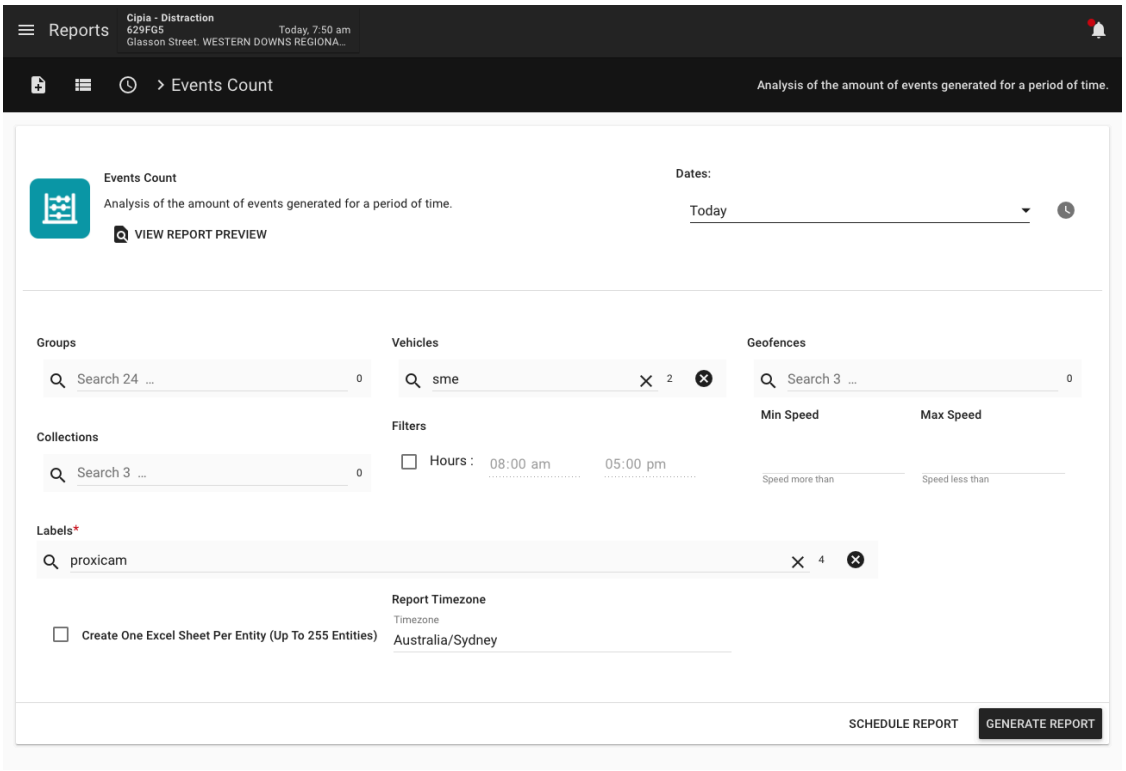
- Groups
- Assets
- Geofences
- Collections

Then filtered by;

- Hours of operation
- Min / Max speed

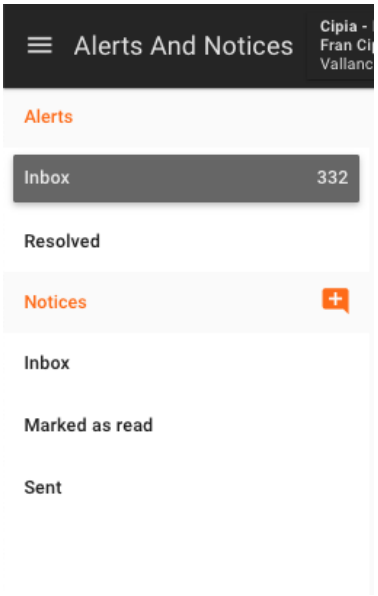
NOTE: The labels function allows a user to include a multitude of input and asset-related criteria in the report.

Start with "**proxicam**" to get pedestrian detection data included in the report, then expand with any additional criteria.



7.3 Alerts & Notices

The alerts & notifications module allows the user to browse & attend to the events that have been generated or manage system alerts.



- Clicking on Inbox, will show you any unattended alerts, note that this module updates in real-time, so there's no need to refresh, the alerts will come in and update automatically.

Alerts are stored in the gateway for the past month and the current month. After 2 months the alerts are erased and cannot be recovered.

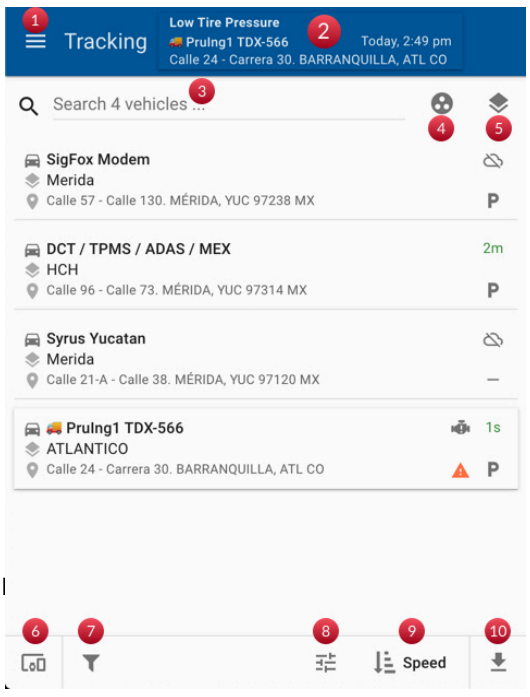
- To mark an alert as attended, you can either click on the checkmark icon next to the alert's name, or open the alert by clicking on its name, and then click on the RESOLVE button at the bottom. Note that Critical alerts require a comment before marking them as resolved.

- Use the top bar to search & filter alerts.

7.4 Tracking

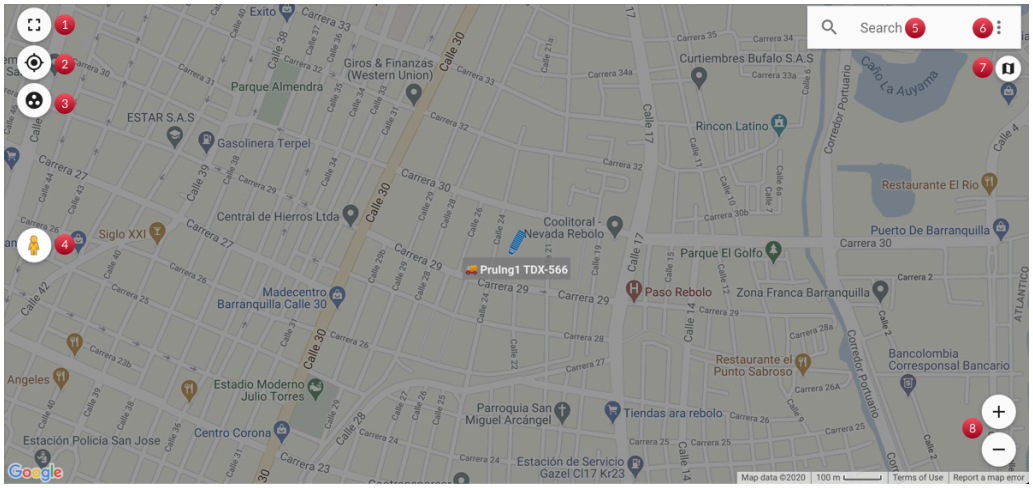
The tracking module is used to monitor any number of vehicles or assets in real-time.

- Use the left-side navigation pane to search and filter assets in the fleet.



LEGEND

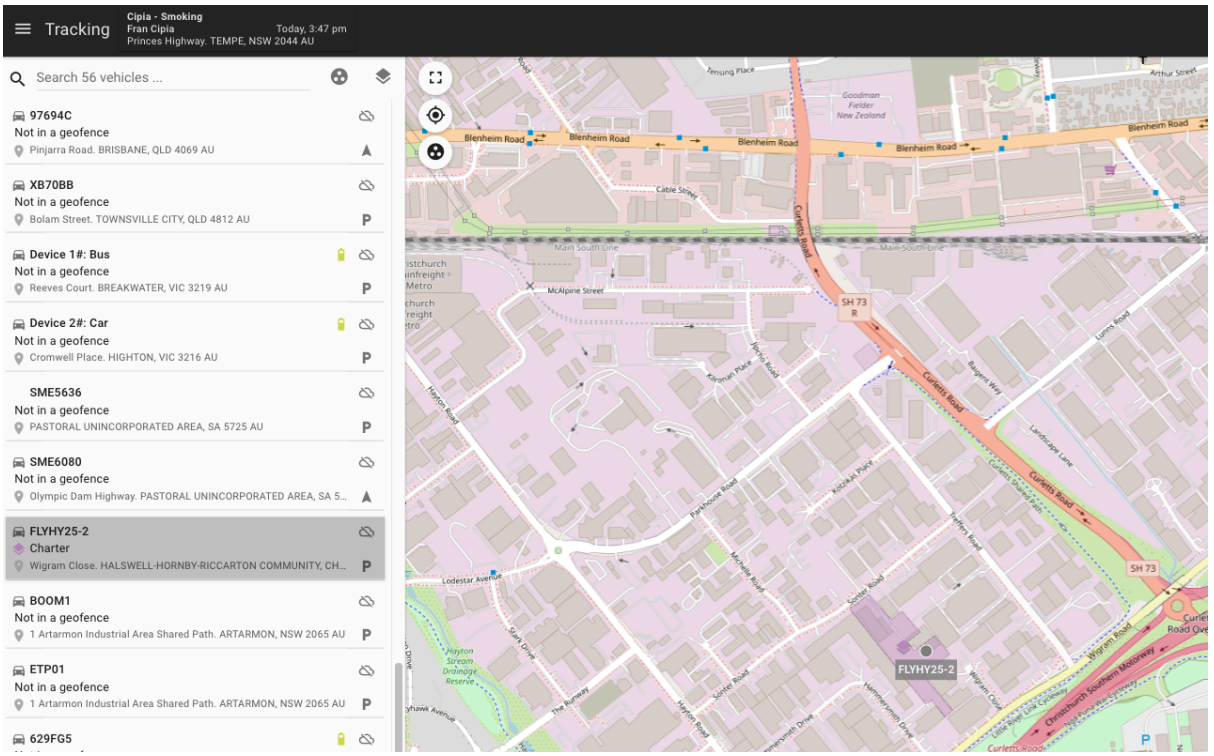
1. Main menu access
2. View the most recent pending alert
3. Vehicle search
4. Filter entities by groups
5. Filter entities within geofences
6. Add vehicles to track
7. Apply more filters
8. Change view of indicators
9. Sort by options
10. Download the list of entities



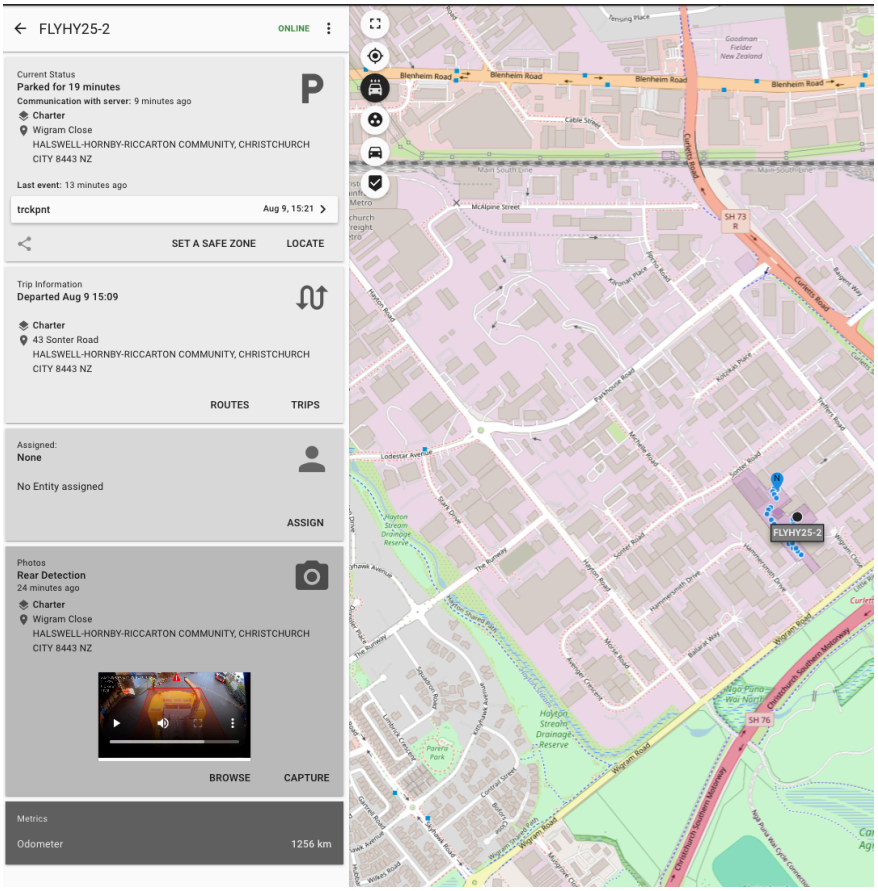
LEGEND

1. Full-screen view
2. Fit all view
3. Group/Ungroup nearby entities
4. Switch to street view
5. Search bar
6. Geofences menu
7. Map layer switcher
8. Zoom in/out

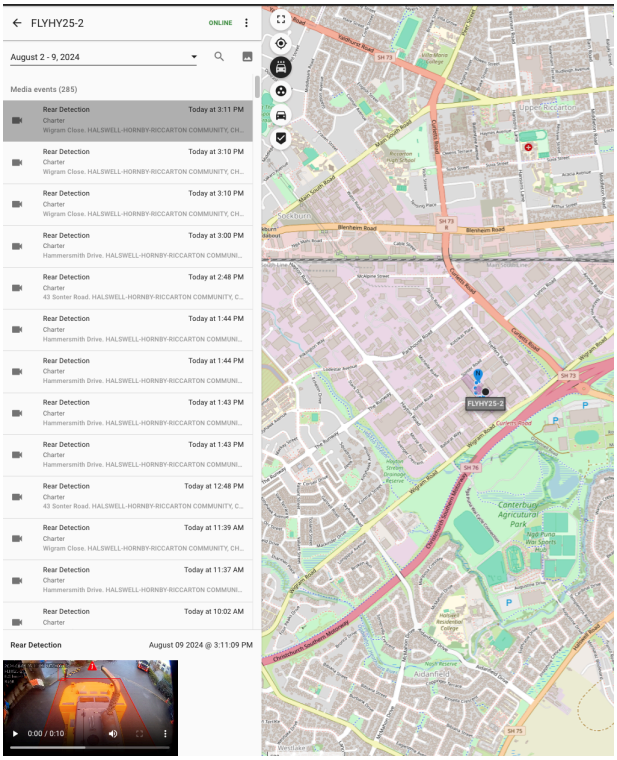
- Click an asset to show its location on the map.



- Double-click the asset to display detailed information and play Proxicam event video.



- Click BROWSE to view more Proxicam events for this asset.

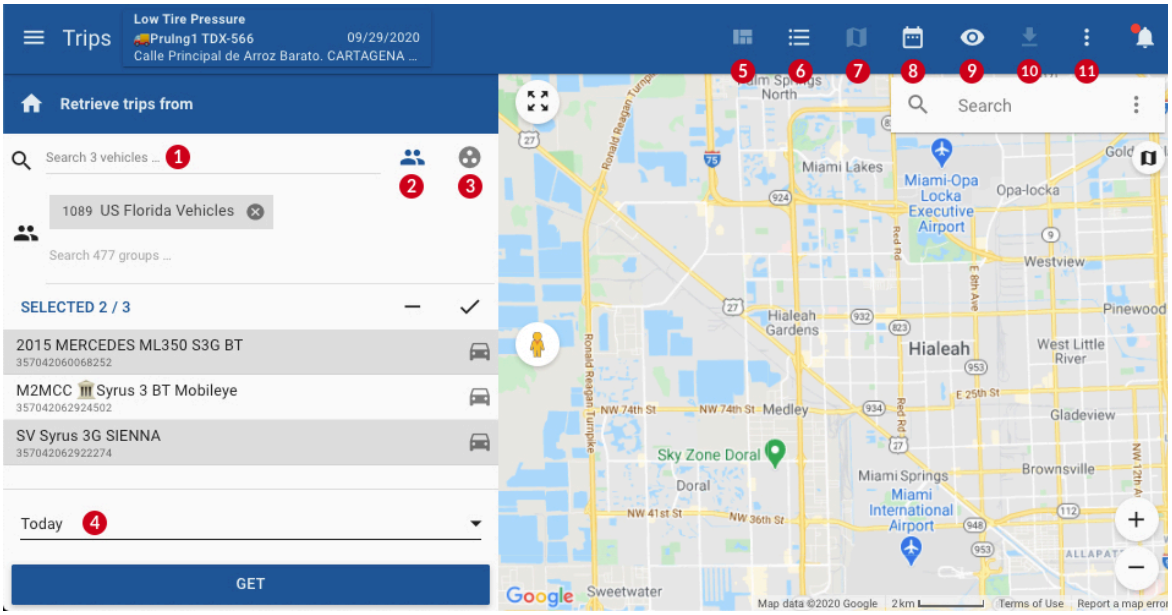


7.5 Trips

The trips module is used to get a historical view of the trips that your assets have made at any time in the past.

It provides comprehensive data relative to each trip, including,

- Asset telemetry data, such as speed and heading
- Trip start / end location
- Trip duration
- Trip plotted on the map
- Proxicam event data



LEGEND

1. Search for an entity
2. Filter the list of entities by group
3. Filter the list of entities by type of device
4. Date range
5. Change layout
6. Hide/show the list
7. Hide/show the map
8. Hide/show the calendar
9. Toggle peek mode, when active it shows the trip start/end locations when you hover over the trip
10. More settings for the application

- To get started, select one or many entities from the selector, and a date range. Then, click on the button “GET” to retrieve the trips.

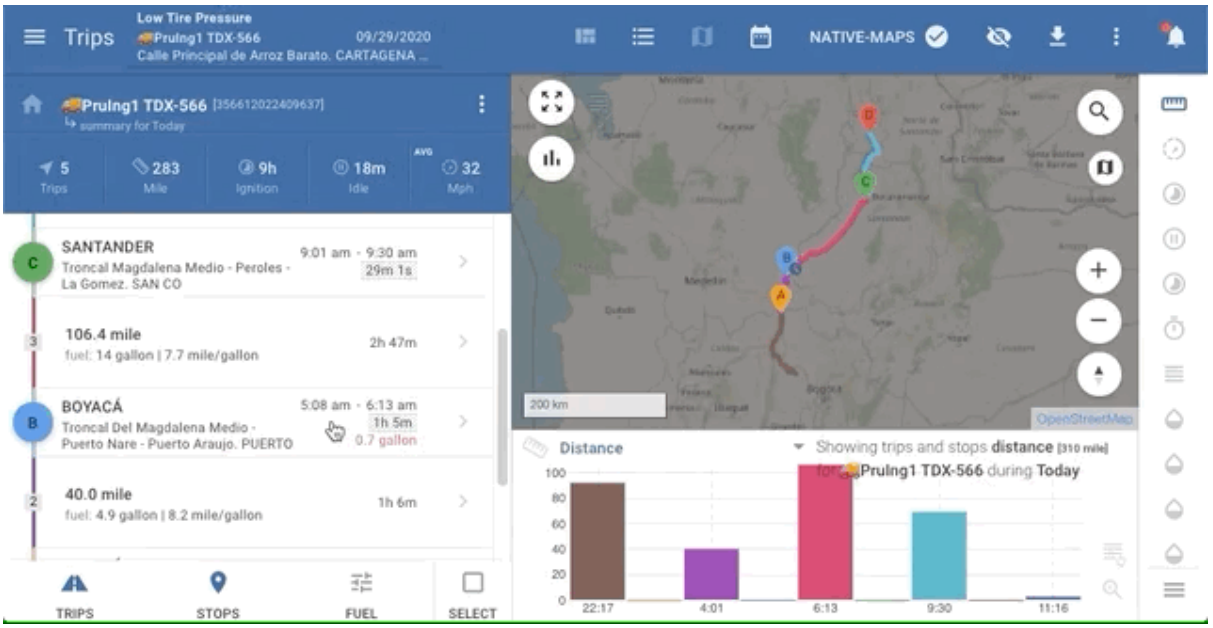
The list of trips can be changed to show only trips or stops or both. To do so, click on the icons along the bottom to switch between views.

You can also select a different metric to view for every trip by clicking the icon:

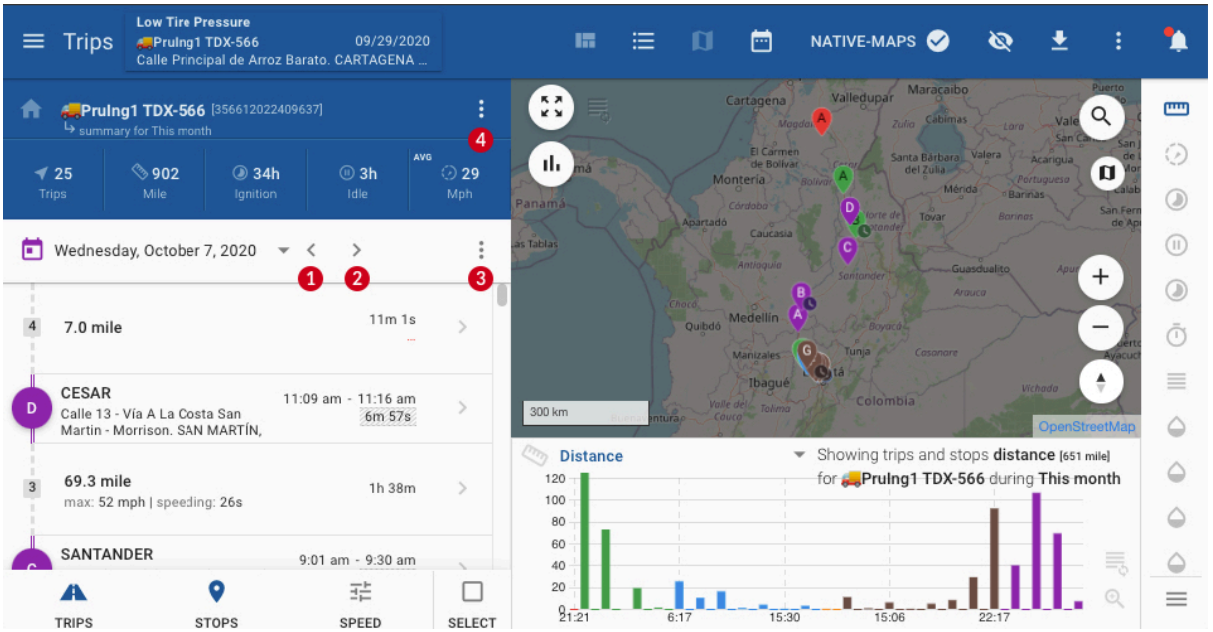
For every trip, besides the distance and duration, the metrics can include:

- Speeding (max & time spent over speed)
- Idling (time & percentage)

Vanced triggers



Depending on the number of days you've selected, you can scroll left and right to navigate through those days. This allows you to quickly see the vehicle's locations for each selected day.

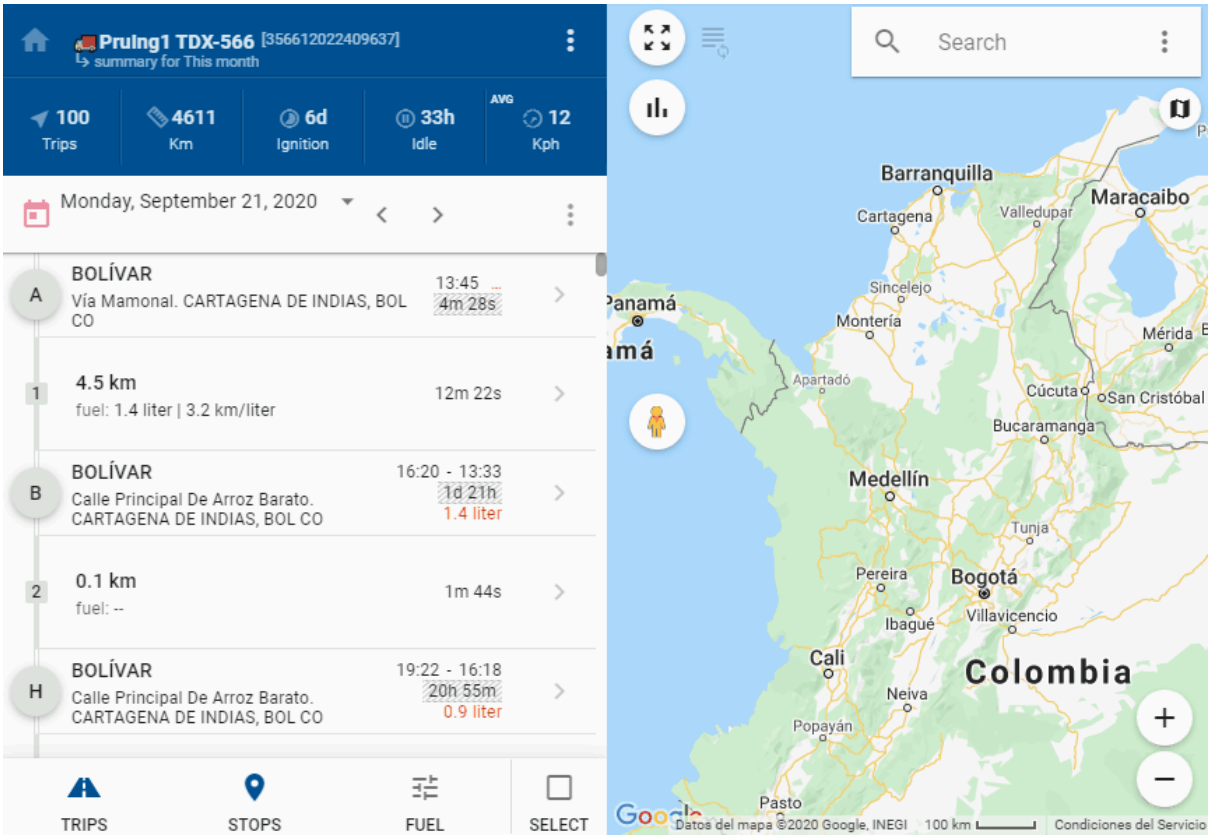


1. Go back a day: This function enables the user to navigate backward by one day.
2. Go forward a day: This function allows the user to advance forward by one day.
3. Controls for the day: This function provides specific controls or options relevant to the currently selected day.
4. Controls for all days: This function offers controls or options that apply to all selected days collectively.

Controls

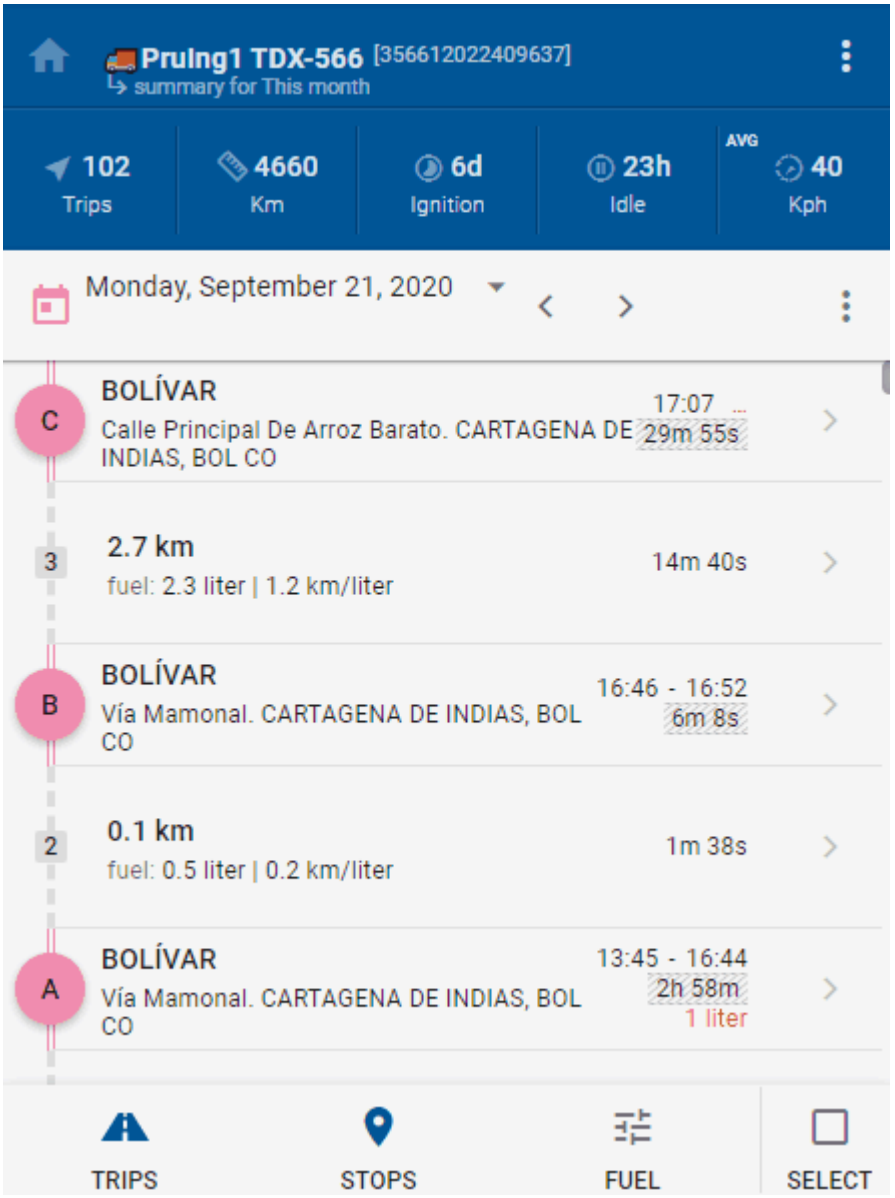
The menu icon next to the date can be used to draw in the map all the paths and stop markers for the selected day.

The menu icon next to the name of the entity can be used to draw the paths of all the trips in all the days selected



Trips Summary

This provides a quick overview of the totals for the selected time range. By clicking on the summary, you can expand the list to view all available metrics. You can close the expanded summary by clicking on the arrow icon. When the summary is expanded, you'll find a switch button to hide undefined fields. This allows for a more detailed examination of trip data.



Map

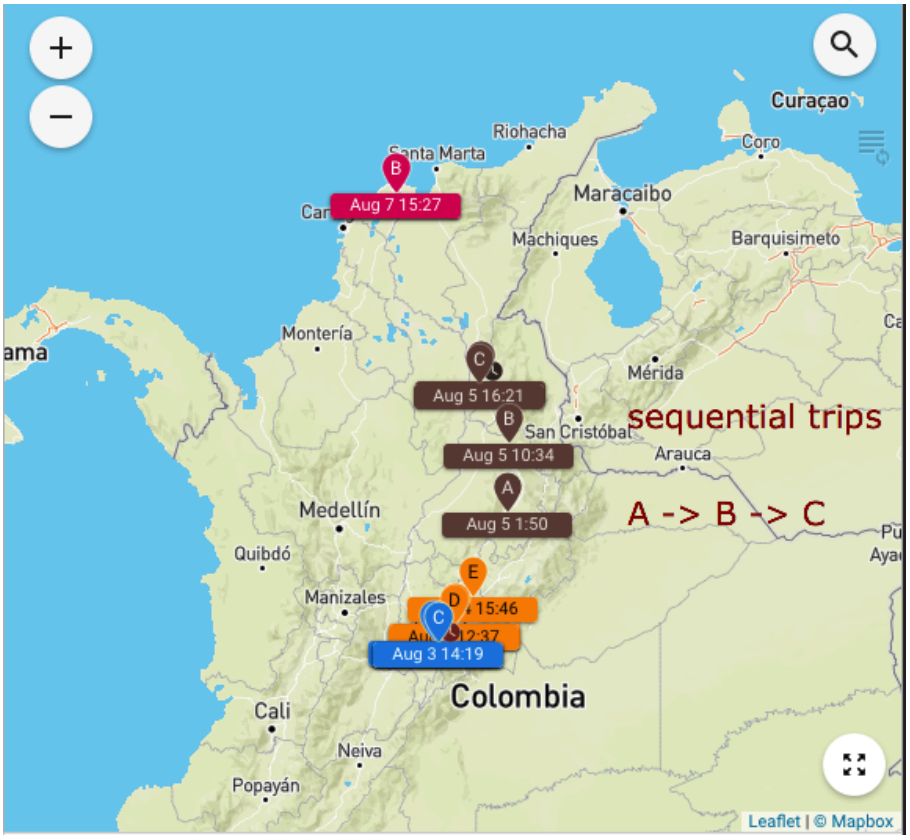
The map displays paths travelled by the entity along with pin markers indicating stops, each marked with a letter representing the sequence of stops made.

The markers and paths are colour-coded based on the selected time frame:

- If only one day is being viewed, each trip is assigned a different color.
- If multiple days are selected, a unique colour is assigned to each day.

It's important to note that the letters on the stop markers are in chronological order based on their occurrence.

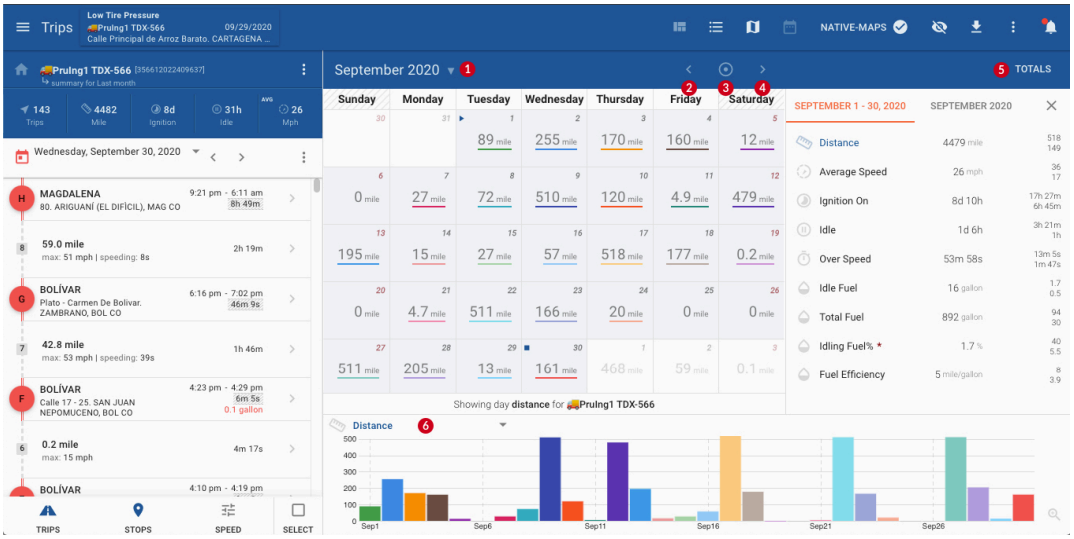
For instance, in the given view, the vehicle travelled on August 5 from point A to B to C during a trip heading north.



Calendar

The calendar feature can be accessed at any time by clicking on an entity and then clicking on the calendar icon next to the date range or from the toolbar.

Once opened, the calendar provides a daily summary of the selected metric. You can choose different metrics, and the calendar will dynamically update to display the information accordingly.

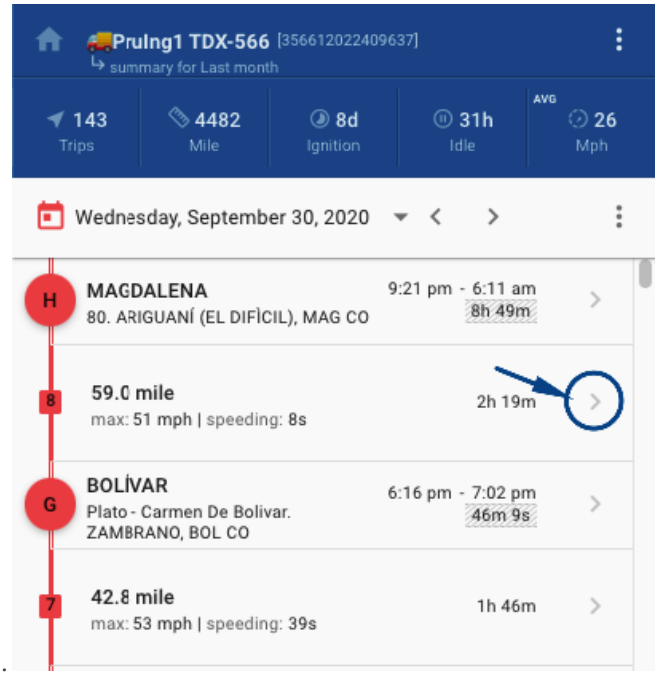


Functions for the calendar feature include:

1. Month selector: Allows you to choose a specific month.
2. Go back 1 month: Navigates to the previous month.
3. Go back to current month: Returns to the current month.
4. Go forward 1 month: Moves to the next month.
5. Show/hide totals for the month or date range selected: Toggles the display of totals for the selected month or date range.
6. Change metrics: Enables you to switch between different metrics for viewing on the calendar.

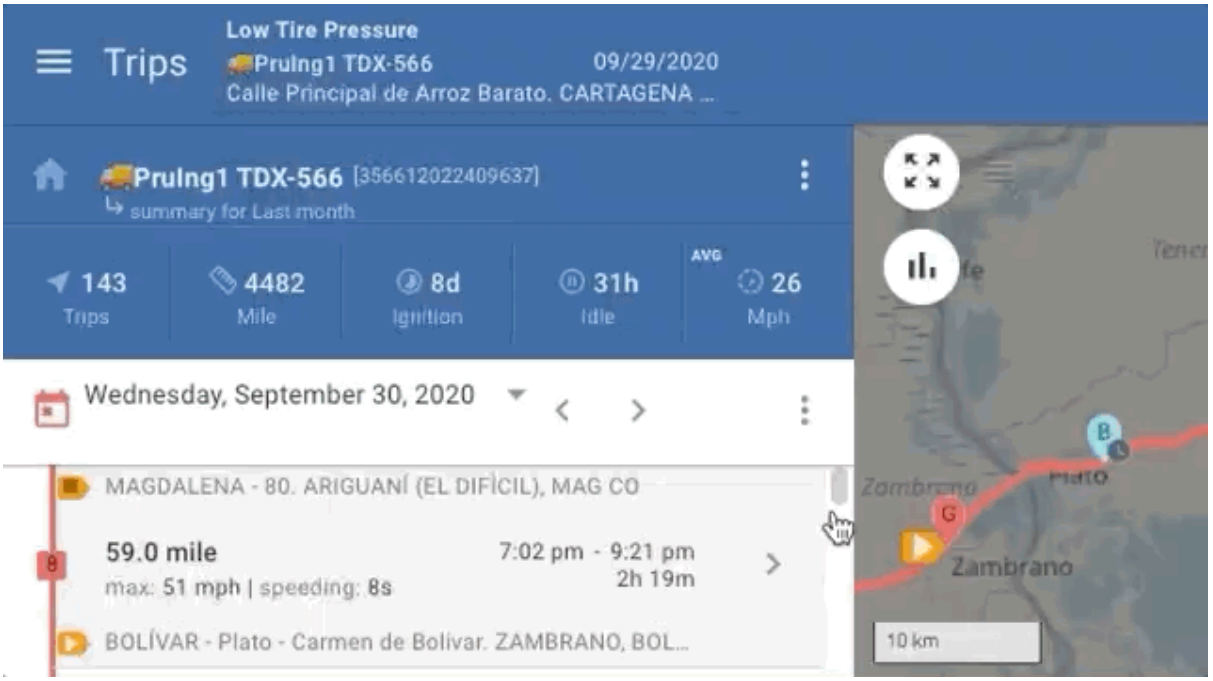
Trip Details (Events View)

You can view the details of the events reported for each trip by clicking on the arrow icon from the list



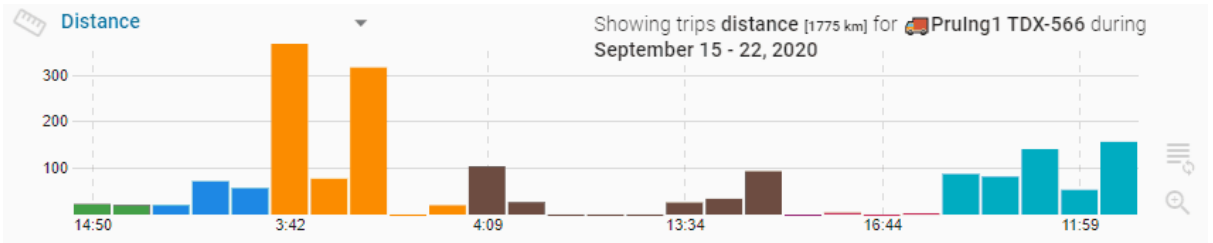
Once the details are shown you can colour each dot on the map by clicking on the menu icon on the map.

1. Colour by day (default): Dots are coloured based on the day they occurred, with each day represented by a different colour.
2. Colour by label: Dots are coloured based on the type of event reported, assigning a unique colour to each event type.
3. Colour by value/range: Dots are coloured based on the actual value they represent. For example, in speed metrics, higher speeds may be represented by a different colour.
4. Heatmap (density): Dots are coloured based on both their value and proximity to neighbouring dots, creating a heatmap effect that highlights areas of high activity.

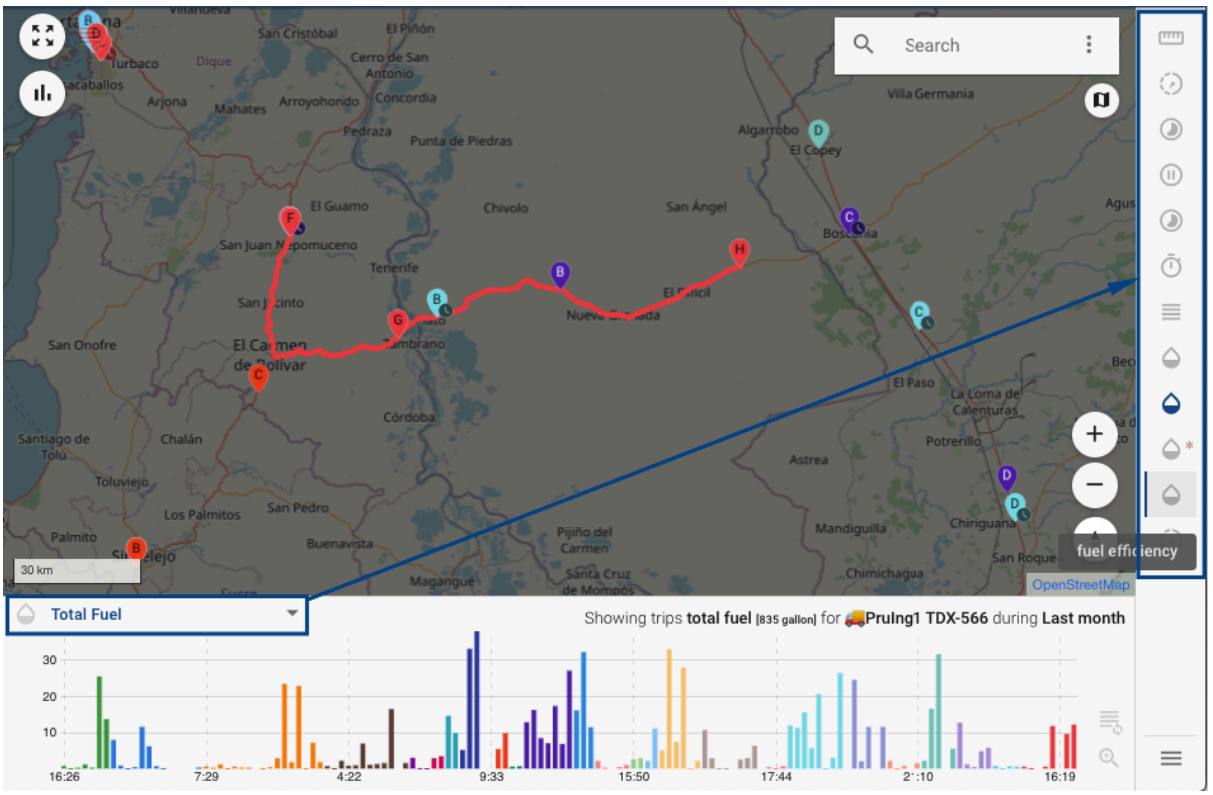


Graphs

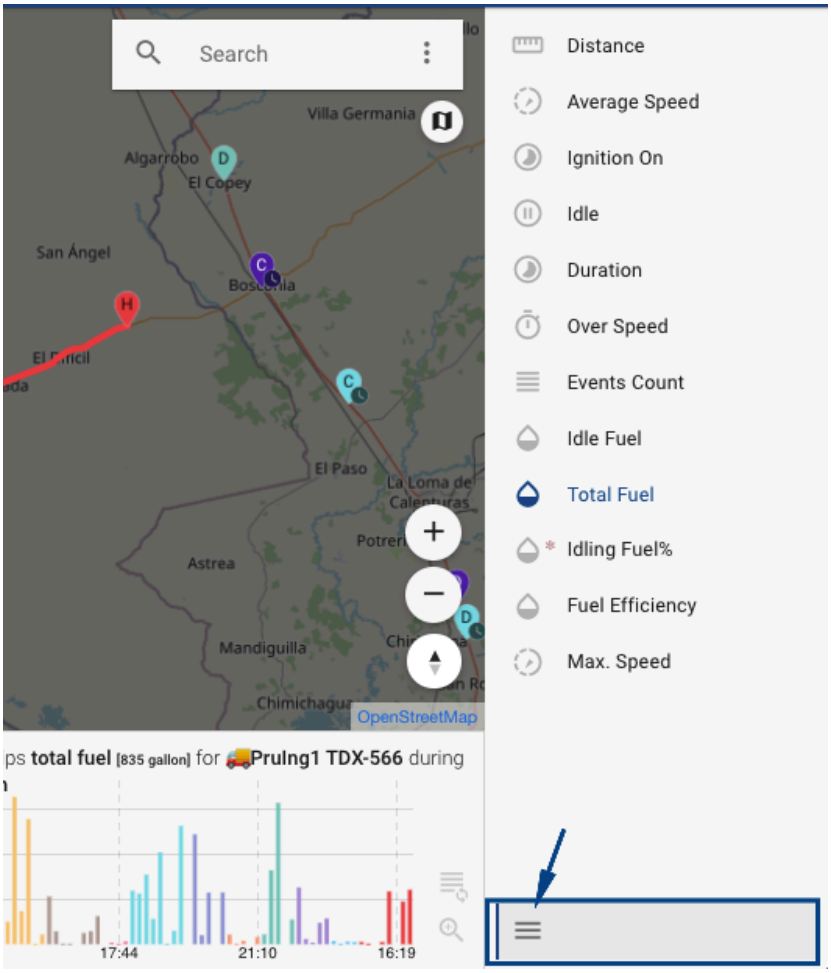
The graphs located along the bottom of the trips section are synchronised with the data displayed on the map. This means that you can navigate through different metrics by clicking on them, and the corresponding trips will be loaded accordingly. In essence, the graphs and map are linked, allowing for seamless exploration and analysis of different metrics and their associated trips.



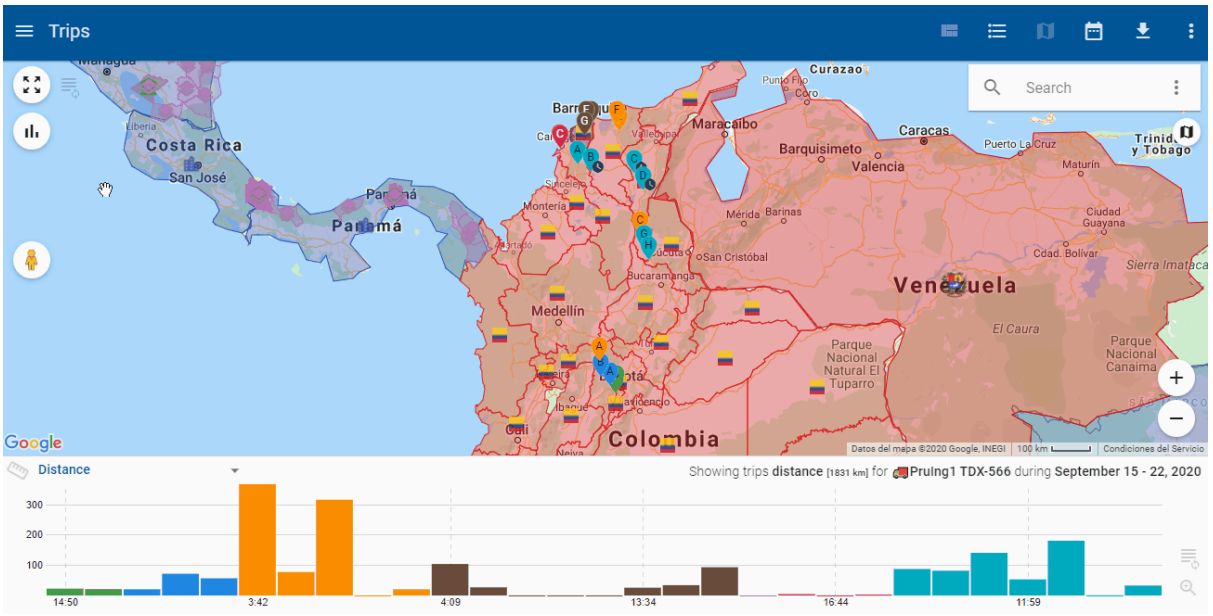
You can also change the metrics with the list of icons on the right-hand side of the page



You can also click on the icon on the bottom right to view the description of each metric.

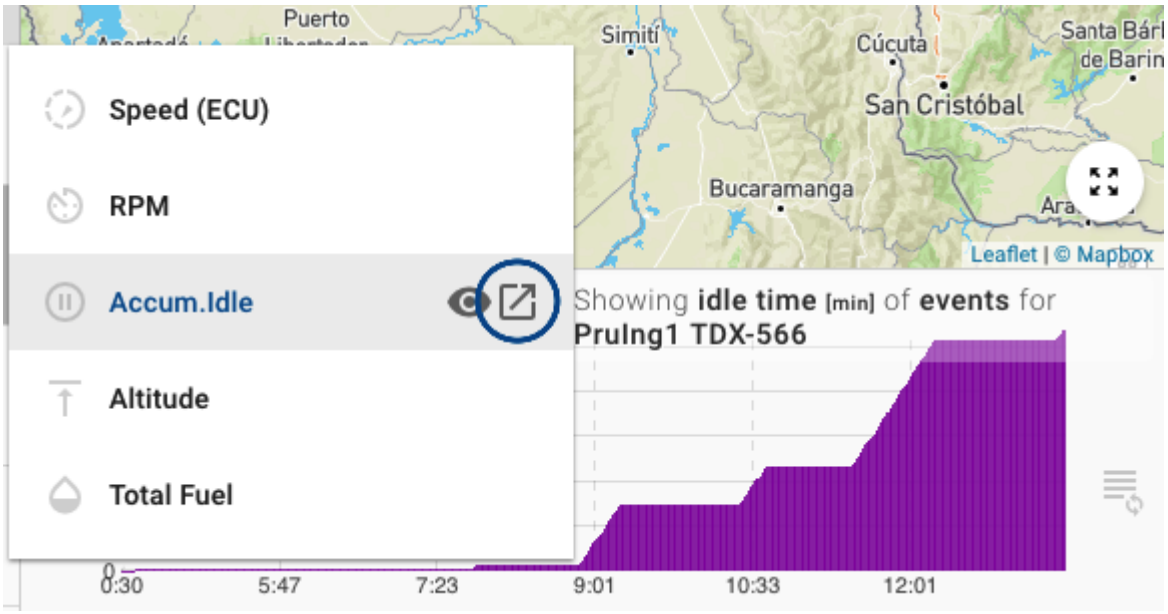


Graphs can also be hidden with the "Toggle Main Charts" icon on the map:

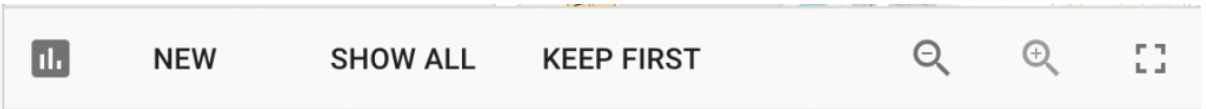


Stacking Graphs

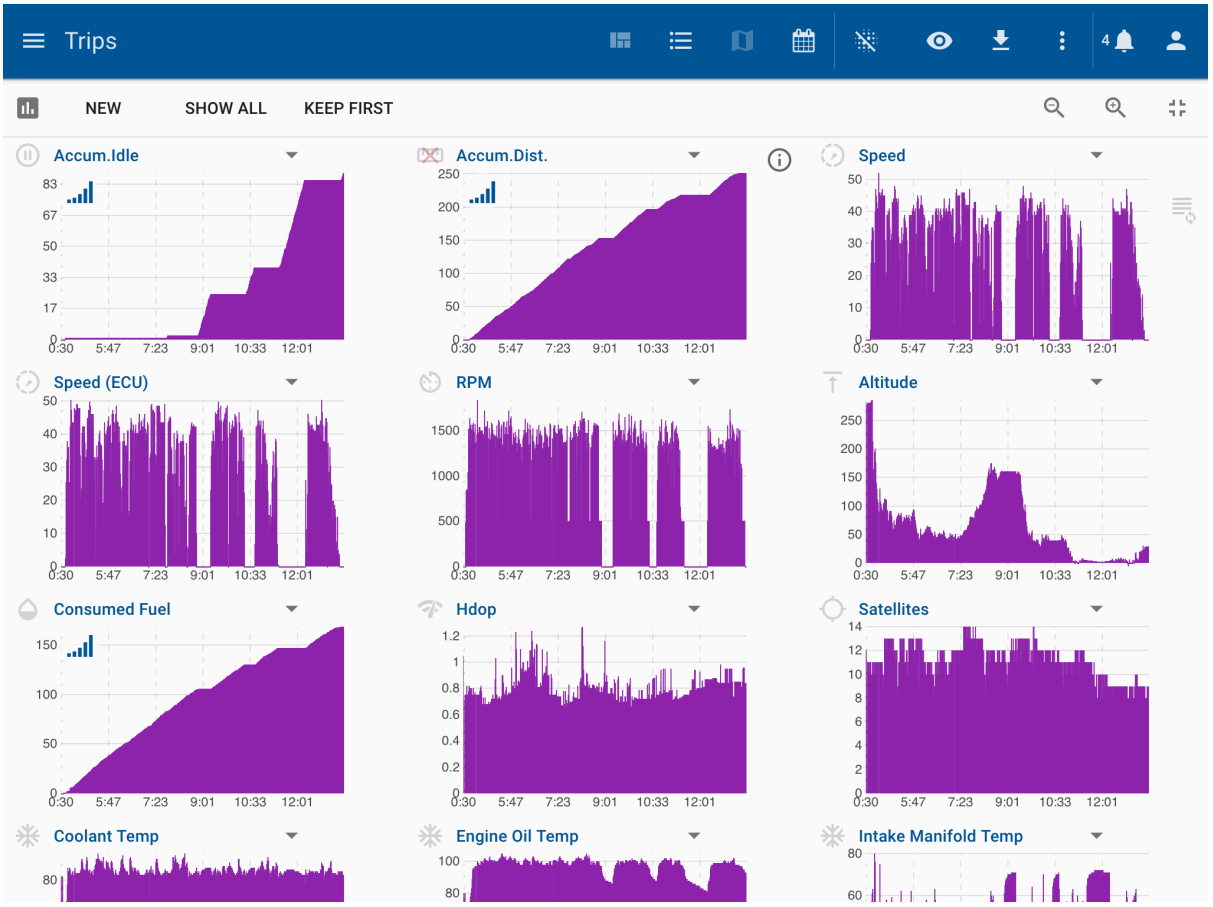
You can stack the metrics graphs by clicking on the icon from the dropdown menu list on the graph.



Once the graphs are stacked, you'll have the following options to choose.



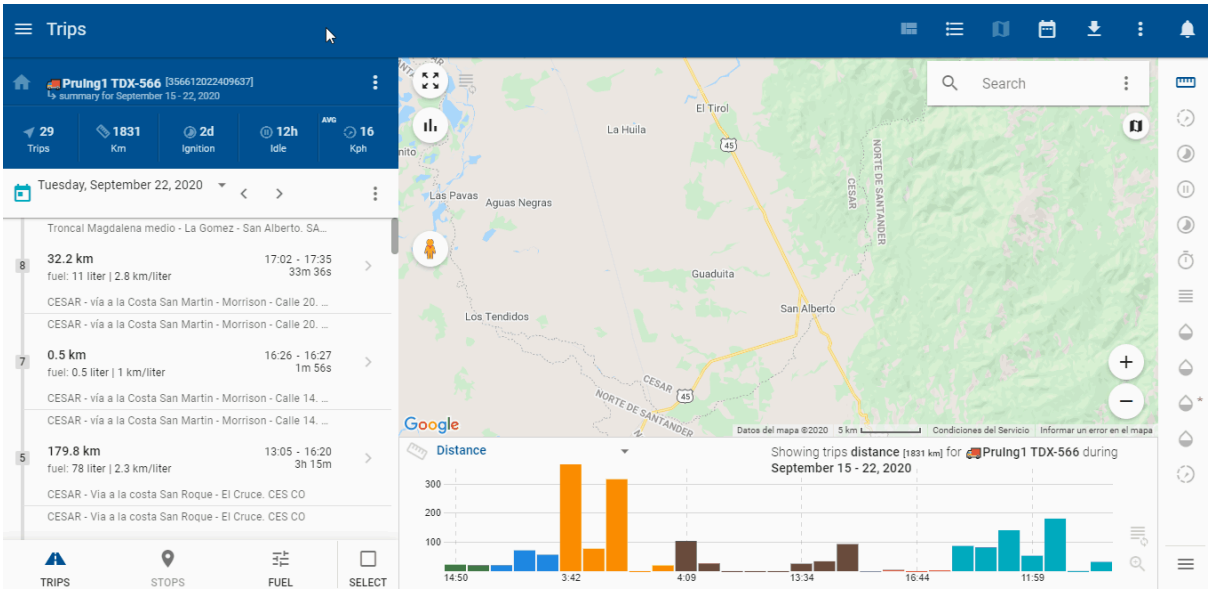
- NEW: Adds a new graph to the list.
- SHOW ALL: Displays all available metrics.
- KEEP FIRST: Returns to the normal, single-chart view.
- Zoom out: Decreases the size of the graphs.
- Zoom in: Increases the size of the graphs.
- Fullscreen mode: Expands the graph area to fill the entire screen.



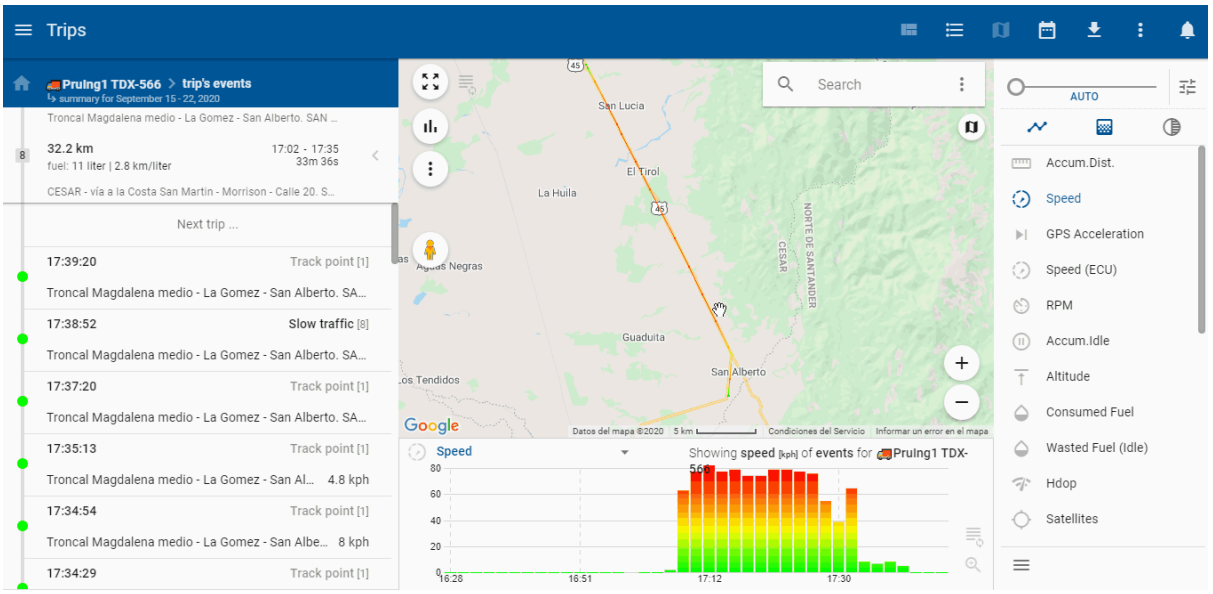
To close a graph, hover over the icon left of its name. A red X will appear; click it to remove the graph.

Heatmaps

To enable heatmaps, navigate to the detailed view of a trip and click the heatmap icon in the toolbar. Heatmaps represent the selected metric with shades of colors, ranging from light blue (lowest) to red (highest). For example, if altitude is selected, red indicates the highest altitude, while light blue indicates the lowest.



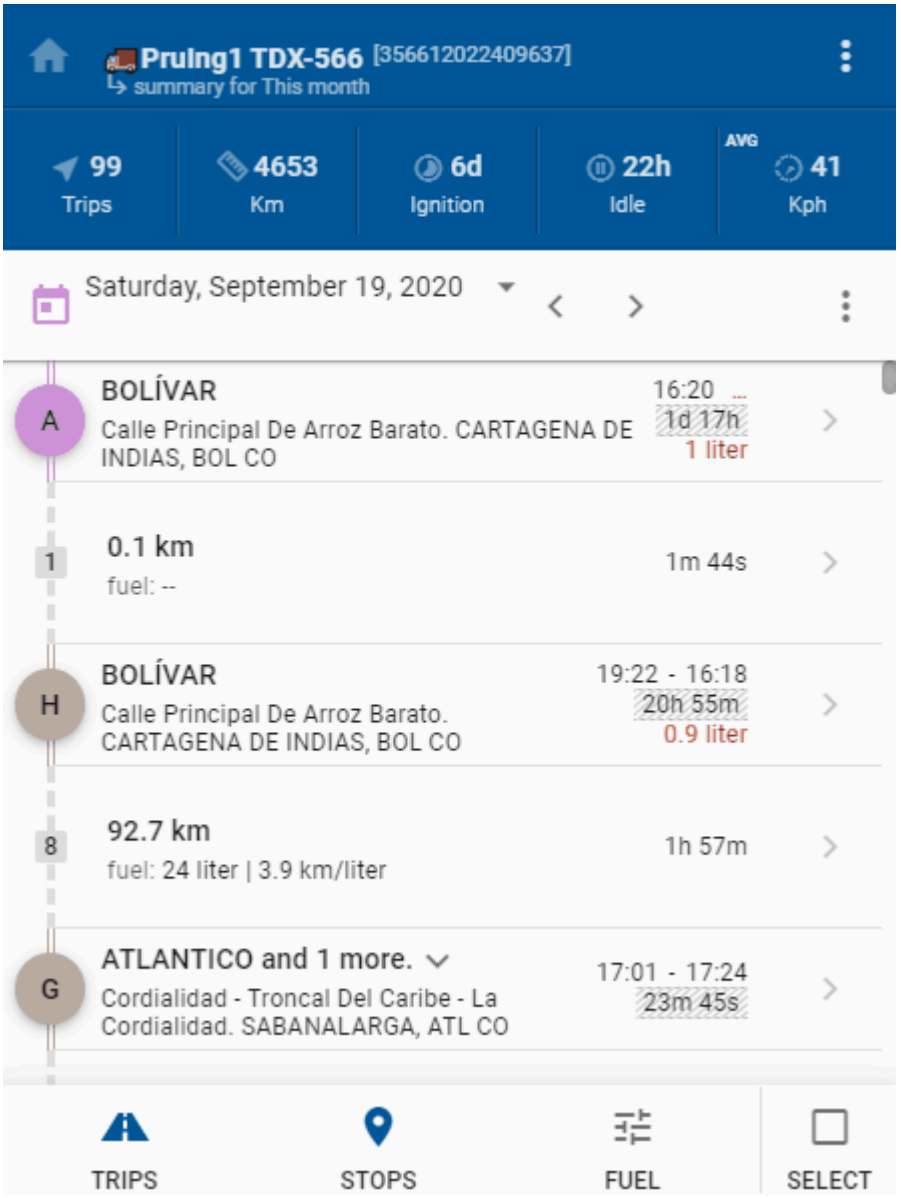
You can adjust the radius of the dots to improve visibility. Additionally, you have the option to customise the range of metrics, such as speed.



Export Trips

You can export trips, stops, or both by checking the checkbox. Alternatively, select the menu icon and use the checkbox icon on the left to select all trips or stops at once.

Exported data can be saved as a KML file or used to create a route from the selected trips.



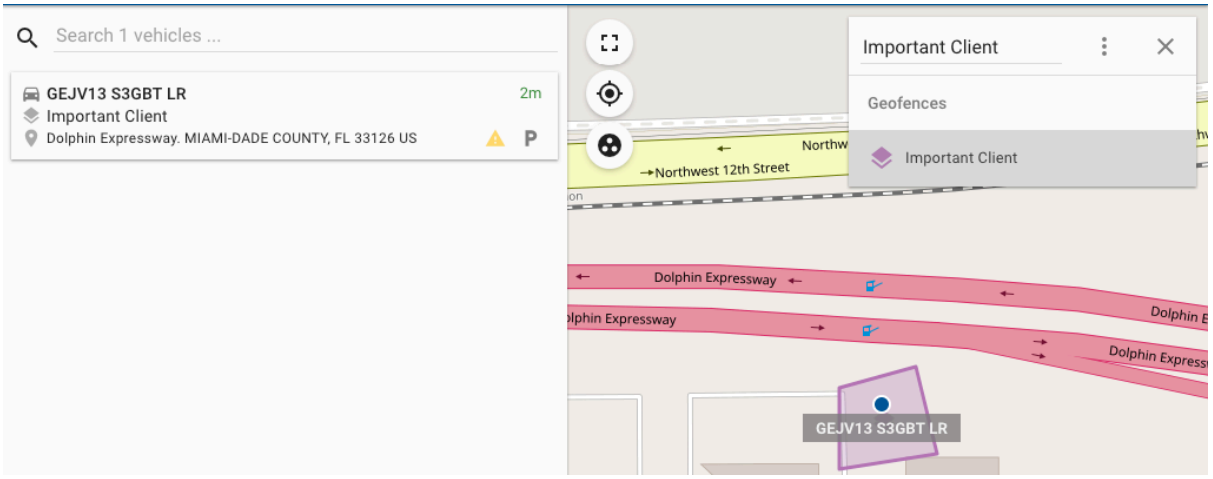
7.6 Geofences

Geofences, also known as geometric fences, are virtual areas that you can define on a map. They offer a way to add context to the location of an entity. For instance, you can designate specific places on the map by creating geofences. These areas can be employed alongside notifications to alert you when an entity enters or exits a designated area. In tracking, geofences provide valuable insight into the location of your entities. By assigning names to geofences, you gain a clearer understanding of where your entities are situated.

Use Cases

1. Vehicle and Fleet Management: Control and manage one vehicle or an entire fleet by monitoring when they enter or exit specific areas defined by geofences.

2. Custom Notifications/Triggers: Set up customised notifications or triggers based on specific statuses and whether vehicles are inside or outside designated geofences. For example, receive alerts for idling in a specific location or when the ignition is turned off inside another area.
3. Employee Tracking: Keep track of when employees enter or leave designated areas such as warehouses or customer locations.
4. Delivery Tracking: Monitor the times that delivery drivers leave or enter specific places using geofences. This enables you to efficiently manage delivery schedules and optimise routes.



If an entity is inside multiple geofences, the smallest fence is displayed first. You can expand the list by clicking the dropdown arrow, and the remaining geofences (ordered from smallest to largest) will be shown.

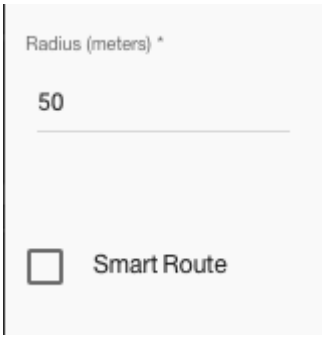
Creating a Geofence

1. Access the Map: Navigate to any location where the map is visible on your device.
2. Search Icon: Look for the search icon on the map interface.
3. Click the Search Icon: Tap on the search icon to activate it.
4. Menu Icon: After clicking the search icon, you'll see a menu icon appear on the screen.
5. Click the Menu Icon: Tap on the menu icon to display a menu with options.
6. Select Geofence Shape: From the menu, choose whether to draw a circular region or a polygonal region for your geofence.

Creating Linear Geofences

1. Access Geofence Creation: Click on the following icon to initiate geofence creation:
2. Start Drawing: Click anywhere on the map to begin drawing the linear geofence. You can click multiple points to create a straight line between them.
3. Adjust Options: While creating the geofence, you'll find options displayed on the bottom left of the screen. These options include adjusting the radius of the line and toggling the option to join points via a route on the map. Make necessary adjustments based on your preferences.

4. Complete Geofence: Once you've finished drawing the linear geofence and adjusted the options, you can proceed to save or finalise the geofence creation process.

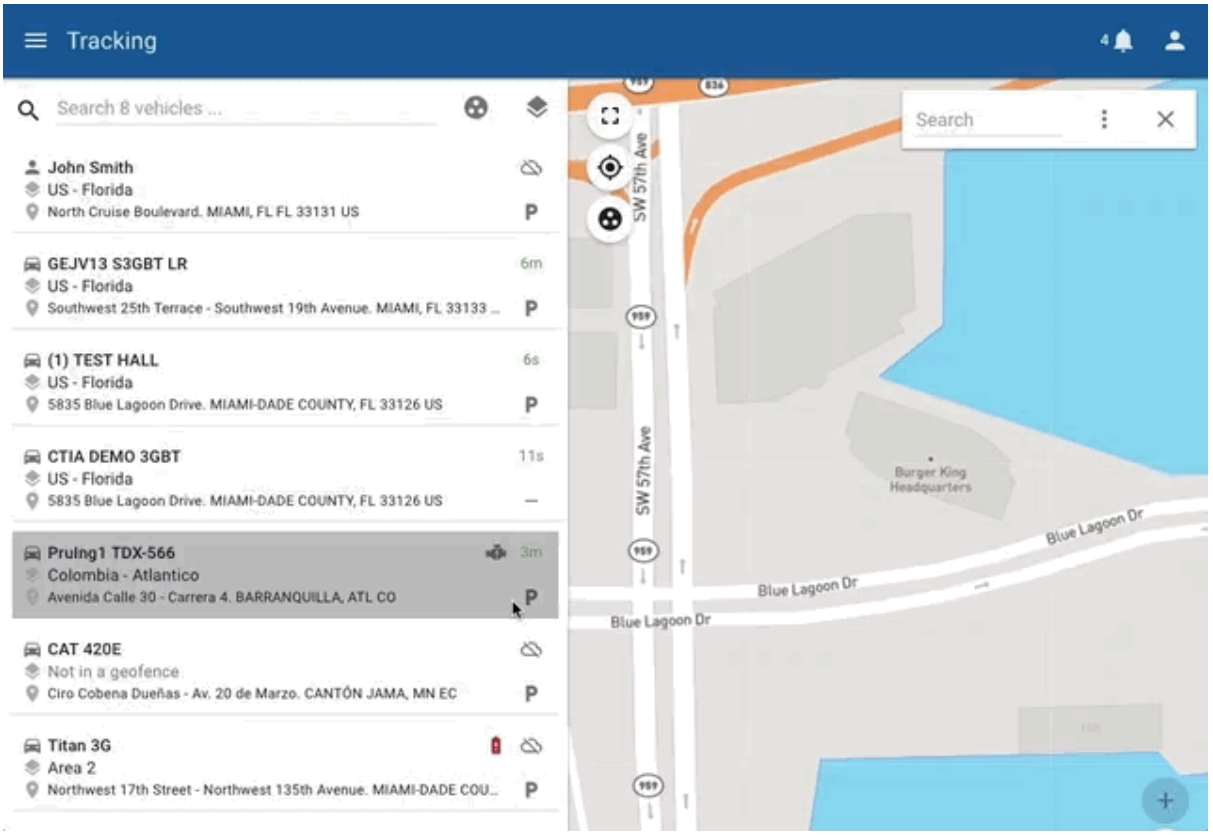


5. Finalise Drawing: Double click on the last point you've selected.
6. Save and Assign Route: After double-clicking, a dialog box will appear where you can save the route and assign it to a collection if desired. Enter the necessary details and click "Save" to complete the process.

Creating Circular Geofences

1. Access Geofence Creation: Click on the following icon to initiate geofence creation:

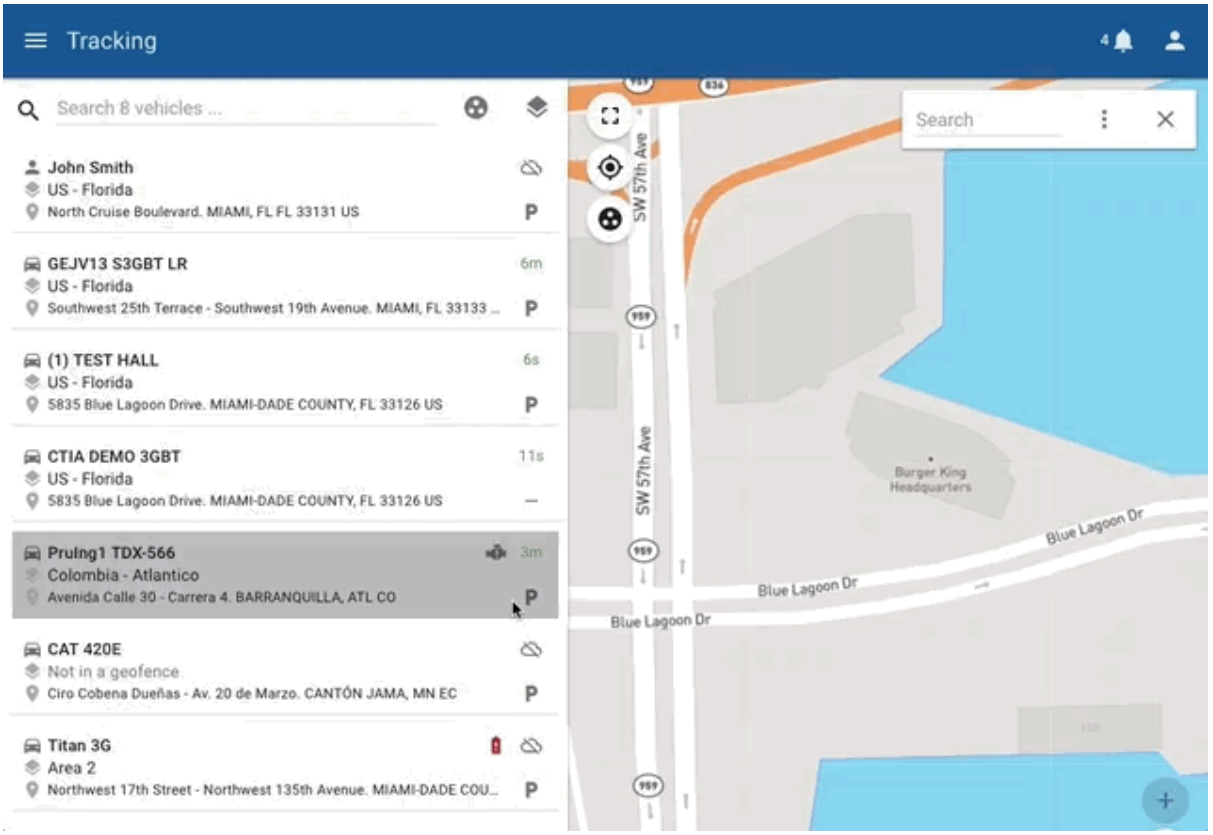
2. Click to Start: Click anywhere on the map to start creating the geofence.
3. Press and Drag Outwards: Press the mouse button and drag it outwards from the centre without releasing the mouse button. This action determines the size of the circular geofence.
4. Release Mouse Button: After dragging, release the mouse button.
5. Name the Geofence: A dialog will appear prompting you to name the geofence you created. Enter the desired name for the geofence.



Creating Polygonal Geofences

1. Access Geofence Creation: Click on the following icon to initiate geofence creation:

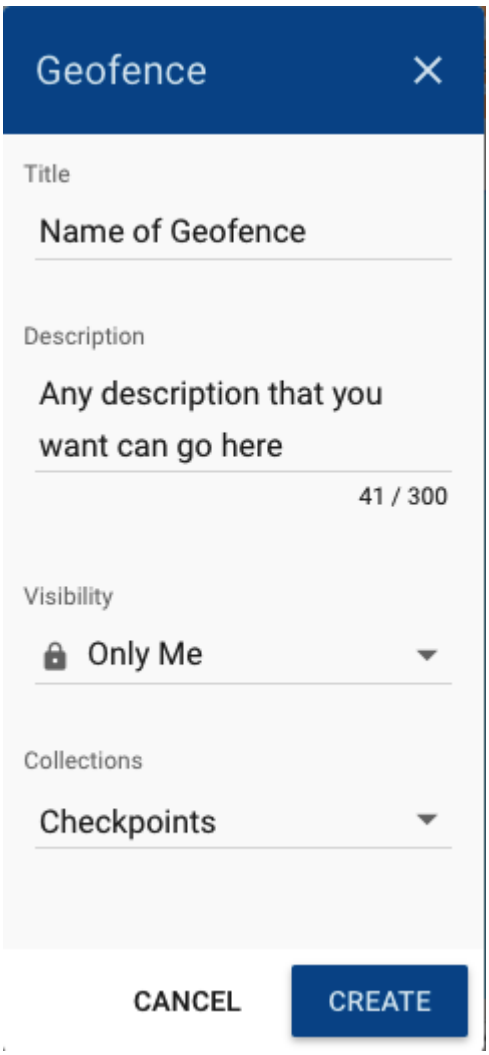
2. Start Drawing: Click anywhere on the map to begin drawing the borders of the geofence you want to create.
3. Finish Drawing: To finish drawing, click on the first point you clicked to close the geofence.



The maximum amount of points a polygon can have is 200.

After completing the creation of any geofence, a dialog box will appear. In this dialog box, you can:

- Enter the name of the geofence.
- Add a description for better organisation.
- Choose the visibility settings for the geofence, such as public, visible only to people in your group, or private.
- Assign the geofence to one or more collections, which are groups of geofences for better management and organisation.



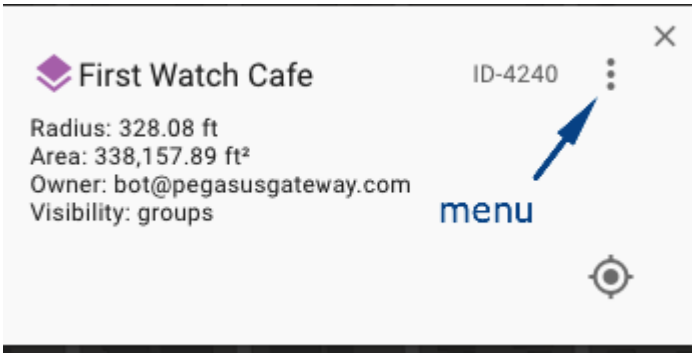
Geofence Menu Options

Edit

To edit geofences, you have two options:

1. Search by Name: Use the Geofence Search box to search for the geofence by its name. Once you find it, you can proceed to edit it.
2. Click on the Geofence: Alternatively, you can directly click on the geofence itself on the map. This action will bring up the Geofence Property Details popup box.

Once you have the Geofence Property Details popup box open, click on the three-dot menu button. From the menu that appears, select the "Edit" option located at the top. This will allow you to edit the geofence details as needed.



While in the Editing section, you can add or modify the following information for the geofence:

1. Name: Update the name of the geofence to better identify it.
2. Description: Add or modify a description to provide additional context or information about the geofence.
3. Owner: Change the owner of the geofence if needed.
4. Visibility: Adjust the visibility settings to control who can view the geofence (public, within your group, or private).
5. Collections: Select one or more collections to categorize the geofence. You can also remove the geofence from any existing collections.
6. Properties: Specify properties such as speed limits or other custom properties associated with the geofence. This can include additional details or attributes about the geofence for better management and organization.

Hide

Hide the actual geofence in the map (make it not visible)

Nearby

Bring a list of the vehicles close to the geofence showing the last time they reported and how far are they from the geofence.

QR Code

QR Code used for “check-ins” with Taurus Application.

Redraw

To modify the size and shape of the geofence itself.

Export

Download the Geofence in a GeoJSON format file.

Share Location

Share geofence’s location via Waze &/or Google Maps

Delete

Permanently eliminates the geofence.

Geofence Collections

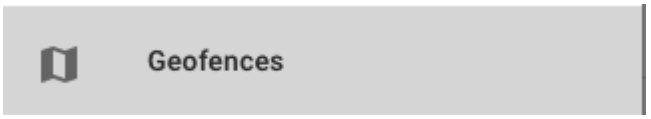
Geofence collections consist of one or more geofences grouped together. They can be assigned a specific color and icon for easy identification.

Collections are particularly useful for managing notifications. By setting up a notification to apply to an entire collection, you can avoid the hassle of updating the notification each time a new geofence is created.

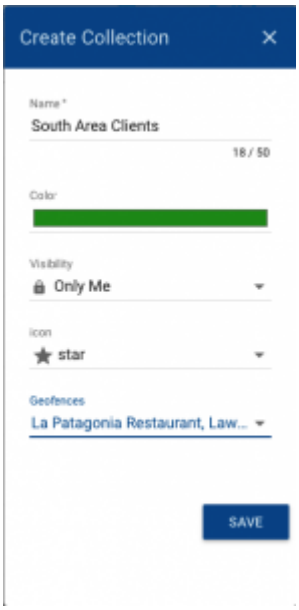
Create a Geofence Collection

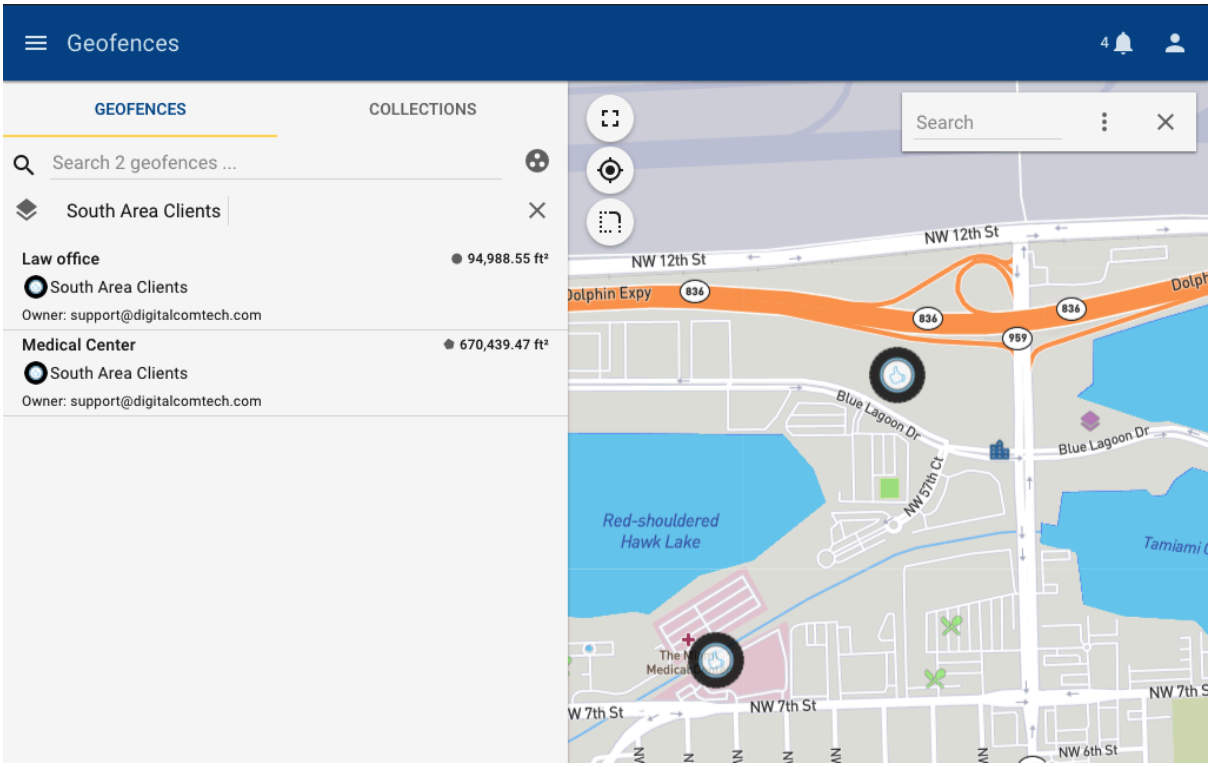
To create a collection, follow these steps:

1. Access Geofences Module: Navigate to the Geofences module, which can be found in the main menu.



2. Go to Collections Tab: Within the Geofences module, locate the tab labeled "Collections" and click on it.
3. Click on Add Button: Look for the button labeled [icon], typically found at the bottom right corner of the list of collections. Click on it to initiate the creation of a new collection.
4. Provide Details: In the creation window, provide the following details for the collection:
    - Name: Give the collection a descriptive name.
    - Color: Choose a color to represent the collection.
    - Visibility: Determine who can view the collection (All users, Group members, or Private).
    - Icon: Select an icon to represent the collection.
    - Select Geofences: Choose the geofences that belong to this collection.
5. Save Changes: Once you've filled in the necessary details, save the collection to finalize its creation.





Editing Geofence Collections

1. Access Geofences Module: Navigate to the Geofences module from the main menu.
2. Go to Collections Tab: Within the Geofences module, select the "Collections" tab.
3. Find the Collection: Search for the collection you want to edit.
4. Click on Edit Icon: Once you've located the collection, click on the pencil icon next to it. This will open the collection properties for editing.
5. Edit Collection Properties: In the collection properties, you can edit the following:
    - Name: Change the name of the collection.
    - Color Groups: Modify the colour groups associated with the collection.
    - Icon: Update the icon used to represent the collection.
    - Add/Remove Geofences: Include or exclude geofences from the collection.
6. Save Changes: After making your desired edits, save the changes to update the collection.