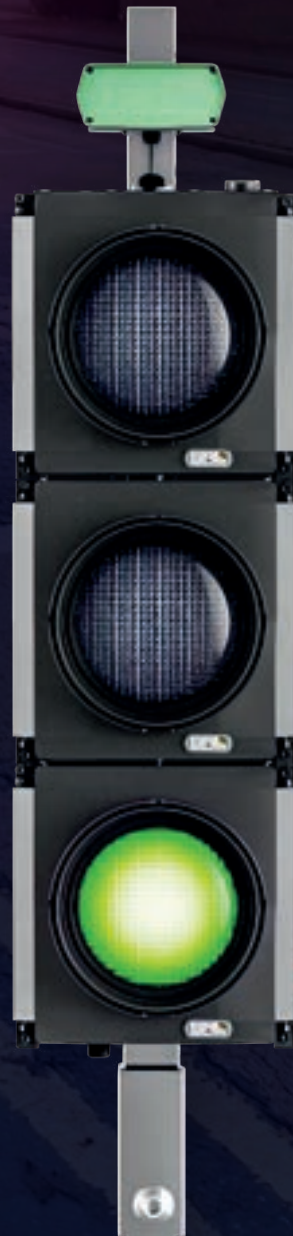




USER GUIDE

# SRL Telematics



VISIT [SRLTELEMATICS.COM](http://SRLTELEMATICS.COM)

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# Welcome

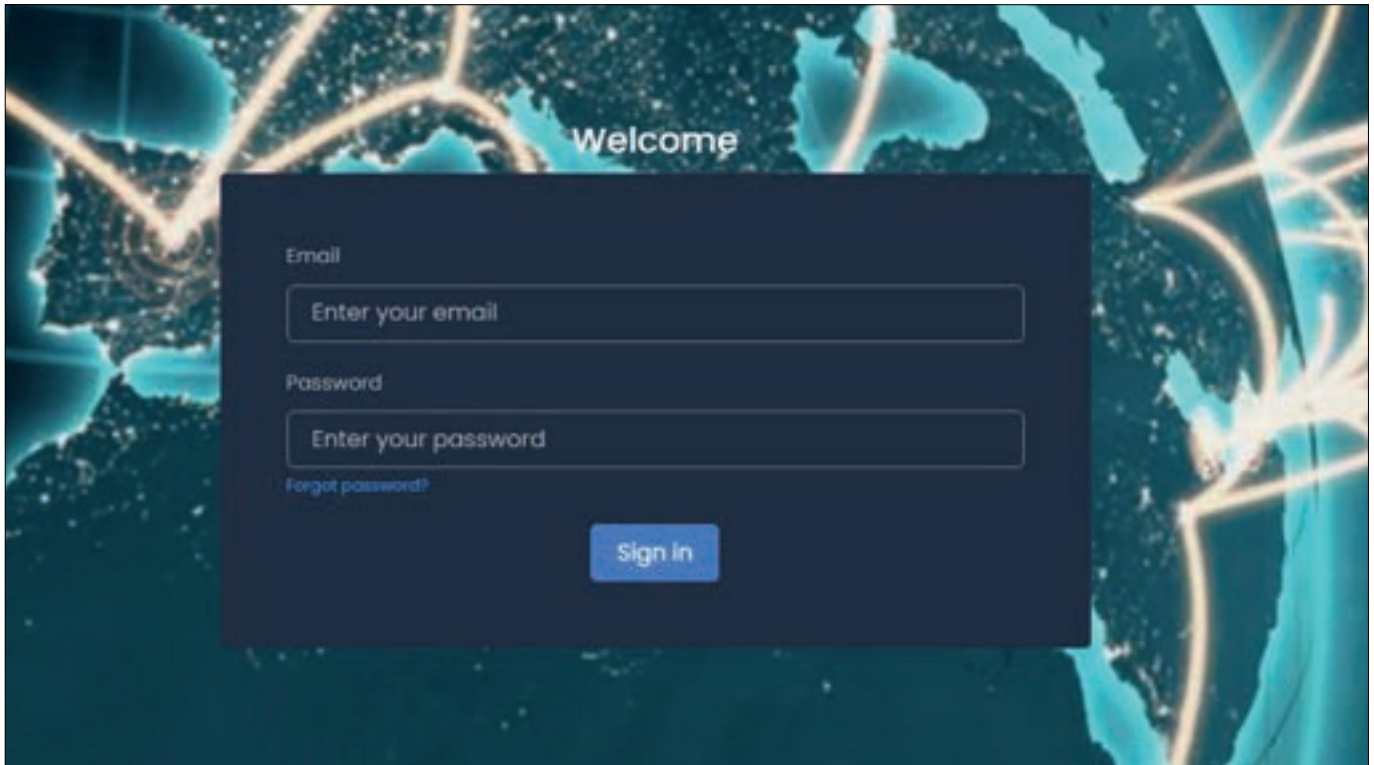
SRL Telematics is SRL's online traffic signal monitoring and management platform. Available 24/7 via a secure portal, it is a responsive system, optimised for use on laptops, tablets and phones.

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Users login at [www.srltelematics.com](http://www.srltelematics.com)



## ◦ Getting started



### Registration & Login

Once an administrator has created your user account you'll receive an email from **support@srletelematics.com** with a link to create your password.

Once you've set your password you'll be able to login. Bookmark **www.srletelematics.com** (or save it to your phone's homescreen) for easy access.

### System Orientation

Each traffic light within SRL Telematics is termed an asset. Assets are associated with the GPS tracker installed within the traffic light. Users can track the live location of their assets. Additional information such as the time of last report, battery voltage, live signal status, weather conditions at the asset's location and information from solar chargers is displayed.

**The system is accessed and controlled via the main navigation:**

**Home** - GPS Map to show the location of all assets on a single map.

**Assets** - Search for assets by name or hashtag.

**People** - Search system users or tracked people.

**Zones** - Set up zones within the system to track assets to frequently visited places.

**Trackers** - Control the GPS trackers attached to assets.

**Readers** - Control the the Bluetooth Low Energy Readers associated with Zones.

**Tags** - Control the Bluetooth Low Energy Tags attached to assets.

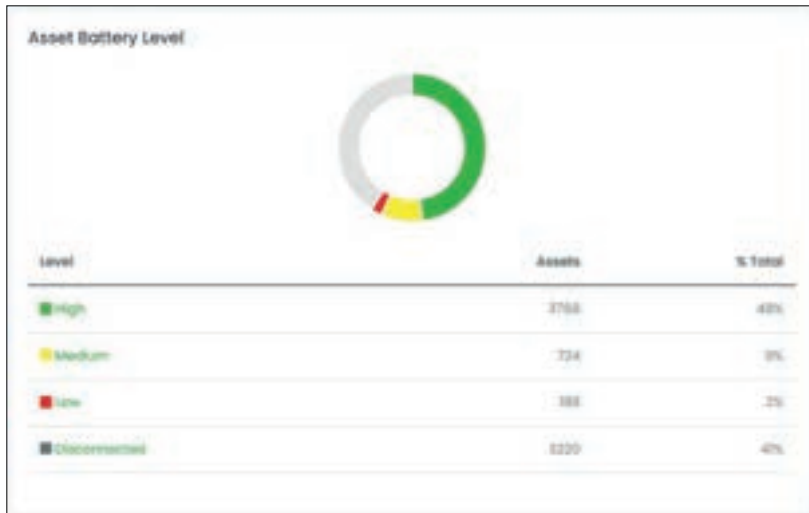
**Contact Groups** - Manage groups of email addresses & mobile phone numbers for alerts.

**Rules** - Set rules to be alerted on a specific condition, for example low asset voltage or assets entering a specific zone.

## ◦ Home Screen

Once logged in you'll see the SRL Telematics home screen. From here the main navigation (of your screen) enables quick access to the main areas of the system. Alternatively, use the search box to search for an asset, zone, tracker, tag, person or hashtag.

### Home Screen Tiles



In addition to home screen tiles showing reports, further tiles are available to show favourite assets, zones and people, and recent times.

The home screen shows a number of report tiles that take information from all your tracked assets within the system. The home screen tiles are designed to give you relevant information about your assets at-a-glance.

Click on the report tiles to view the data behind the graph.

Specific report tiles are available according to your user access level.

The figure shows a table titled "Favourite Assets" with two columns: "Name (ref)" and "Last Seen". The table contains one row of data:

Name (ref)	Last Seen
EM12469	now



### Home Screen Map

The home screen map shows all your tracked asset locations on a single map. Users can move around the map, select a satellite view & select Google Street-View imagery.

# ◦ Home Screen

## Map Search Boxes

There are two map search boxes at the top of the map on the left and the right.

The left-hand search box allows users to search for assets, people & zones on the map. Using *autocomplete* the system will suggest results as you type.



The right-hand search box allows you to search the map for places and postcodes to view assets present at a specific location.

## Asset Information



Clicking on an asset icon selects that asset and shows high-level information for that asset above the map. Information shown includes when the tracking device last reported, when the location information was last updated, the current battery voltage of the asset, the last command sent to the asset and the red & green light status. Where red & green light status information is available, the asset map icon will update automatically to indicate the light status.

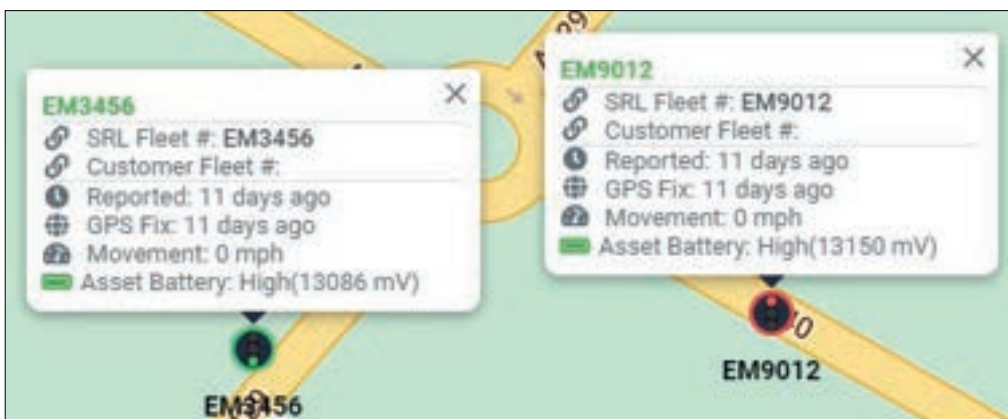
If the asset is moving, using the follow toggle means that the map view will automatically move to follow the asset.

## Tracking Detail

There are two buttons on the map that enable tracking device details for either one or multiple assets/people to be viewed within the map.



**These buttons toggle information related to assets/people displayed on the map, either in a callout or a table.**



## ◦ Asset Index Screen

Clicking assets from the main navigation takes you to the asset index screen. From here all assets are visible. The count shows the number of your assets.

Categories images are shown along with the asset counts for that type of asset. Clicking the appropriate category will only show that type of asset. Click again to remove the filter.

Asset Owner	SRL Fleet #	Customer Fleet #	SRL Product Name	Customer Reference	Asset Battery	Last Seen	Location Coordinates
SL	647345		SL Sunlight Signal		Discharged	Now	31.0714, -105.258
Freelife	2284	4722	SL Backlight Signal		High(2750 mV)	Now	32.46702, -105.029
SL	647346		SL Sunlight Signal		High(2971 mV)	Now	31.06942, -105.497
SL	647341		SL Sunlight Signal		Low(8220 mV)	Now	31.84236, -107.212

The table displays the asset owner, SRL fleet number, customer fleet number, SRL product name and Customer Reference. The remaining columns show battery status, time since the tracking device last reported and location information.

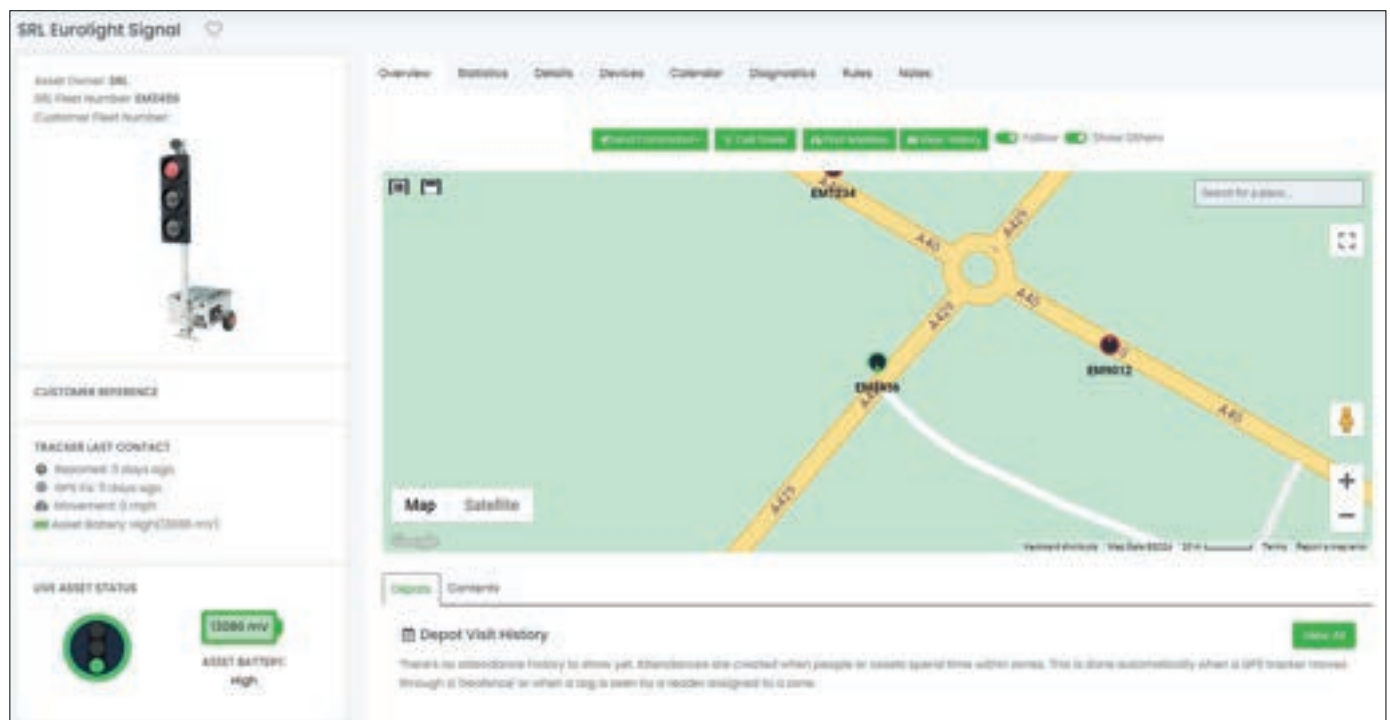
Clicking on an asset fleet number or reference takes you to the asset screen.

## Index Search

Using the search box within the table you can quickly and easily filter the table to find the assets or hashtags you are interested in.

## ◦ Asset Screen

From the asset screen, you can instantly see key information about the tracked asset.



Assets can be added to your list of favourites by clicking on the heart next to the asset name. Favourite assets are available for easy access from the home screen.

The asset name, time of last report, speed, tracker battery status and asset voltage status are located in the **Last Location** section on the left of the screen. An hourglass symbol indicates that the command is pending, and a checkbox shows that the command was successfully received and acknowledged by the asset.

### Tracker Last Contact

The last location information is automatically updated based on the latest data received from the asset. The area shows when the last report was received, when the last location (fix) was received, the most recent battery voltage, and the last command sent to the asset. An hourglass symbol shows that the command is pending and a checkbox shows the command was successfully received and acknowledged by the asset.

### Depot Visits

Depot visit information is also displayed, if the asset's tracking device is reporting that they are inside a recognised depot. Where they are not inside a zone the Last depot visit information is shown.

### Live Signal Monitoring

Where enabled, live signal monitoring shows the current light signal status. Either red light on, green light on or red & green off.

The system updates automatically and this is indicated with the icons.

If live signal monitoring is available but not yet enabled, it can be activated by clicking on the activate button. Live signal monitoring only needs to be enabled once, it remains active.



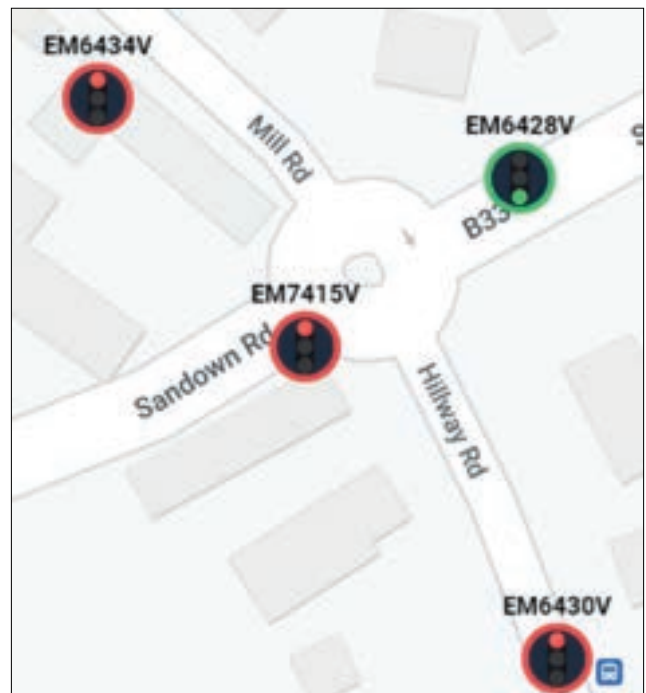


## ◦ Asset Screen

Using the 'show others' toggle above the asset map it is possible to view the signal status of a cluster of lights deployed at a site.

**Important Note:** The tracking devices use mobile phone SIM cards to communicate their light status. In areas with marginal mobile reception, it is possible that some messages may not arrive in order and some messages could be missed altogether. This means that when viewing a cluster of lights in a site, the system could show information several seconds out of date.

Live signal monitoring is not designed to time the phasing of lights remotely, but to verify that lights are cycling through the signals and are not 'stuck'.



Asset battery information is also displayed, with asset battery voltages grouped into four categories.



### Solar Charger

Where an asset has a solar charger connected the solar charger information is shown.



### Battery Watts

The amount of power coming out the battery. A negative number indicates power is being drawn from the battery.

### Charge States

The charge state could be one of the following:

- **Bulk** - The battery is being charged.
- **Float** - The battery is fully charged & trickle charging (topping up).
- **Absorption** - The moment between bulk and float, (only a brief visible status).

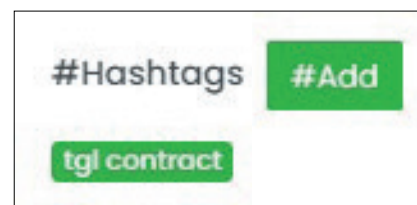
### Voltage

The critical factor, this number must remain above 11v for the signal to function.

### Hashtags

Hashtags can be applied to assets, people & zones to enable quick and easy searching, and filtering.

Add hashtags by clicking the #Add button. Remove hashtags by clicking on the hashtag box and confirm removal using the onscreen prompt.



# ◦ Asset Screen

## Profile Picture

The profile picture shows the SRL product and owner/fleet number information.



## Overview Tab

The first tab to load on the asset screen, just above the map.

**Statistics Tab** - Compiles data about the asset in several graphical reports (where available).

**Details Tab** - Allows the asset details to be changed.

**Tasks Tab** - Scheduled, completed and outstanding tasks associated with this asset.

**Diagnostics Tab** - Prints data received by the connected devices to assist with troubleshooting.

**Calendar Tab** - Captures events associated with the asset on a calendar. Events capture include: traffic signal site deployment, zone attendance & alerts raised.

**Rules Tab** - Shows the rules that the asset is a member of.



## Send Command

Where available, this allows the user to send a command to the asset. Available commands include reboot to reboot the asset's tracking device and location request to ask the tracking device to report an up-to-date location.

The most recently sent command and the command status is available in the Last Location area. An hourglass symbol shows that the command is pending, and a check box shows the command was successfully received and acknowledged by the asset.

## Cell Tower

Looks up the location of the mobile phone mast the tracking device is connected to. This feature is useful when there is a discrepancy between the time of the last report and time of the last fix (location).

## Find Address

Looks up the street address of the current location.

## View History

Takes the user to the location history page.

## Follow Toggle

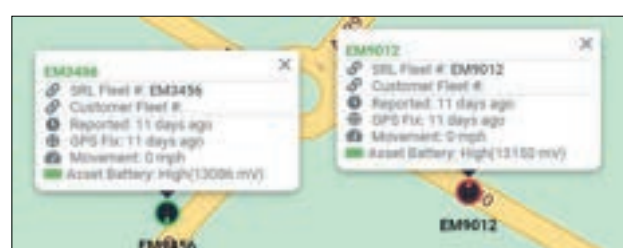
With the Follow Toggle enabled, the map will automatically move around to follow the asset as it moved. If the Follow Toggle is disabled, the map will not move and the asset could move out of view.

## Show Others Toggle

Enabling this toggle shows other nearby assets on the map. This is useful for checking the light status of nearby signals.

## Asset Detail

There are two buttons on the map that enable asset details for either one or multiple assets to be viewed within the map.



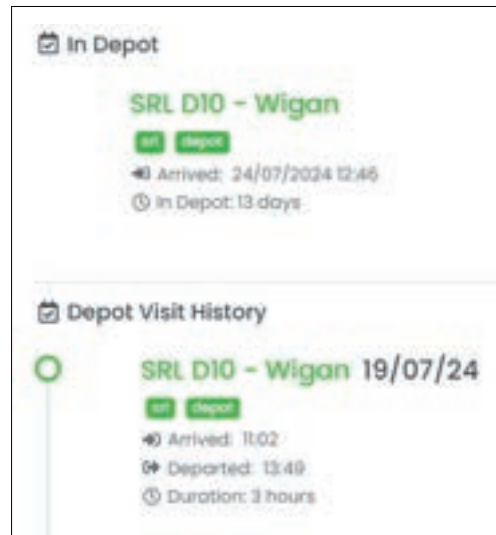
## Depot Visit History

Where depot zones have been created in the system, assets will automatically register their attendance at zones within the depot visit history.

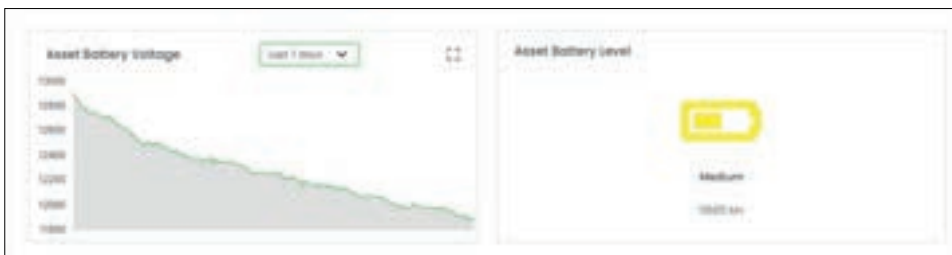
The arrival time, departure time and duration are automatically calculated and displayed in the timeline.

The most recent attendance data is displayed on the asset screen, however all data is available by clicking the view all button.

The following page provides all data available for view in a timeline, table and exportable to CSV. A date picker allows the user to focus on a set of specific dates.



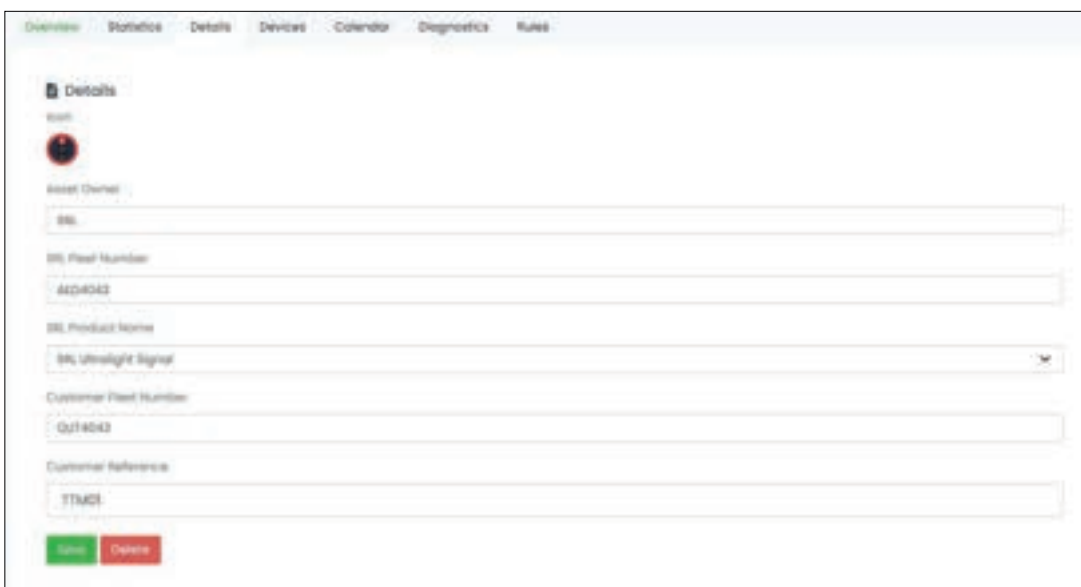
## Statistics Tab



The statistics tab (where available) compiles data about the asset in several graphical reports.

The specific reports available will vary by asset and the connected devices (for example whether or not the asset is associated with a solar charger).

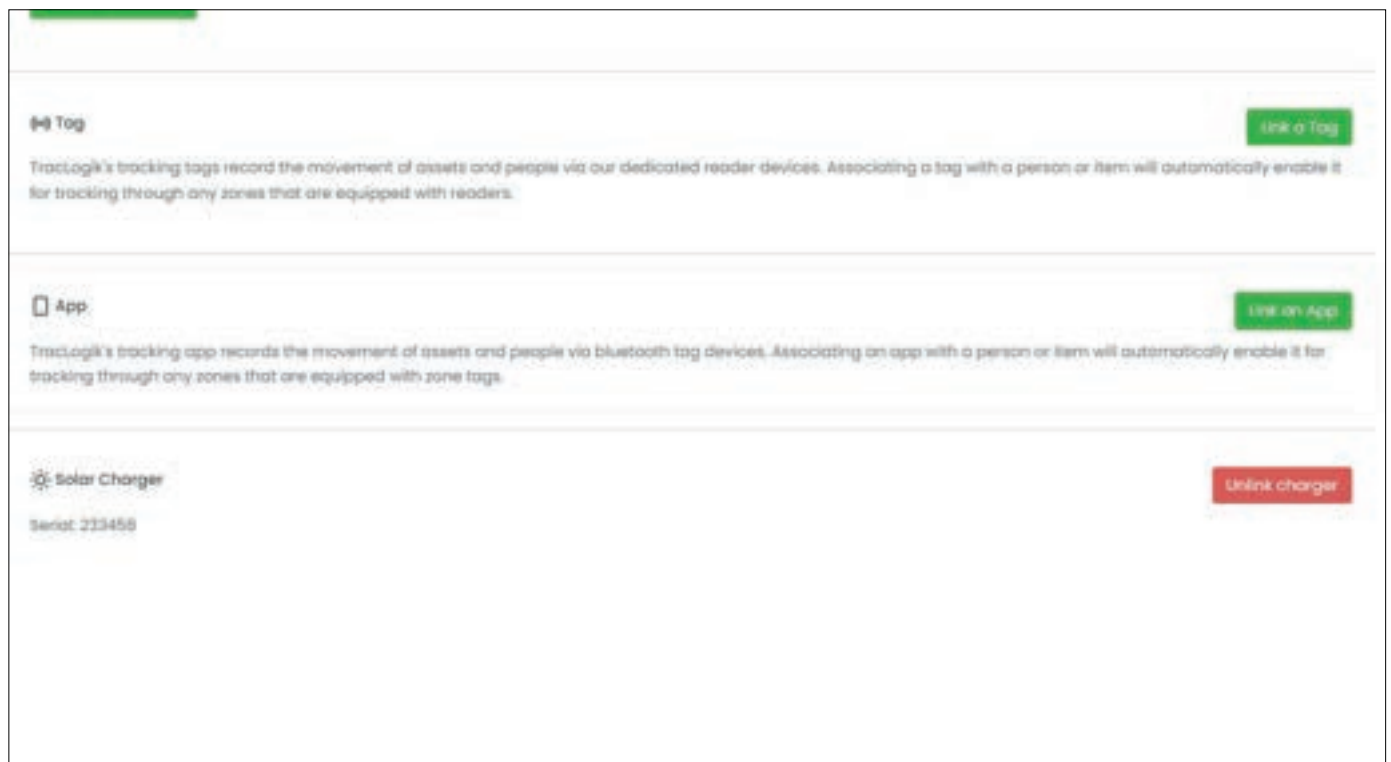
## Details Tab



The details tab allows the asset details to be changed.

Users can update the customer reference only.

## Depot Visit History



The devices tab shows users which devices are connected to the asset.

**GPS** - This area shows the serial number of the connected GPS tracker. GPS trackers can be unlinked from an asset if required.

Note: GPS trackers will not store data unless they are linked to an asset.

**Tag** - Tracking tags record the movement of assets and people via TracLogik's dedicated reader devices. Associating a tag with a person or item will automatically enable it for tracking through any zones that are equipped with readers.

Tags are added and removed from assets from this screen.

**Solar Charger** - If the asset has a solar charger its serial number is recorded here. Solar Chargers can be unlinked from an asset if required.

### Calendar Tab

The calendar tab captures events associated with the asset on a calendar. Events capture include: traffic signal site deployment, zone attendance & alerts raised.

### Diagnostics Tab

The diagnostics tab prints data received by the connected devices to assist with troubleshooting.

### Rules Tab

The rules tab shows the rules that the asset is a member of.

Rules are described in detail on page 28.

### Notes Tab

The notes tab allows users to record notes about a specific asset.

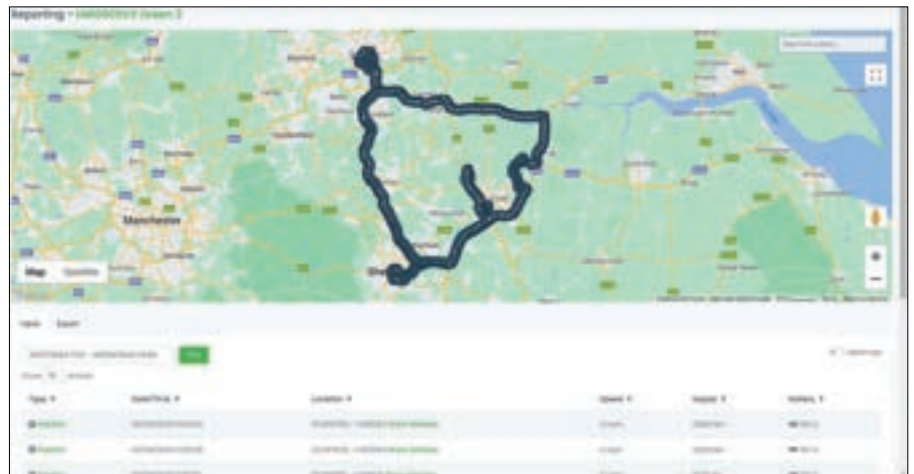


## Asset History Screen

The GPS history screen can be accessed via the asset screen (click on 'View History').

The asset history screen is split into two distinct halves. The map at the top, displaying locations and the table at the bottom showing the date/time, location (latitude and longitude), along with additional information including recorded speed, battery voltage and tracking device battery percentage.

The data range for the history is selected using the date / time picker in the centre of the screen. Simply click the box, choose your dates / times, click 'Apply' and then click 'Filter'.



### History Range

The date range for the history displayed is selected using the date/time picker in the centre of the screen.



To use the date/time picker, click the box and choose a from & to date & time. Then click apply, then click filter.

### Map Position Information

Clicking a position on the map shows a dialogue box which gives further information relating to that position.

- Date
- Time
- Speed

The direction of the arrow displayed on the map indicates the heading of the recorded position.

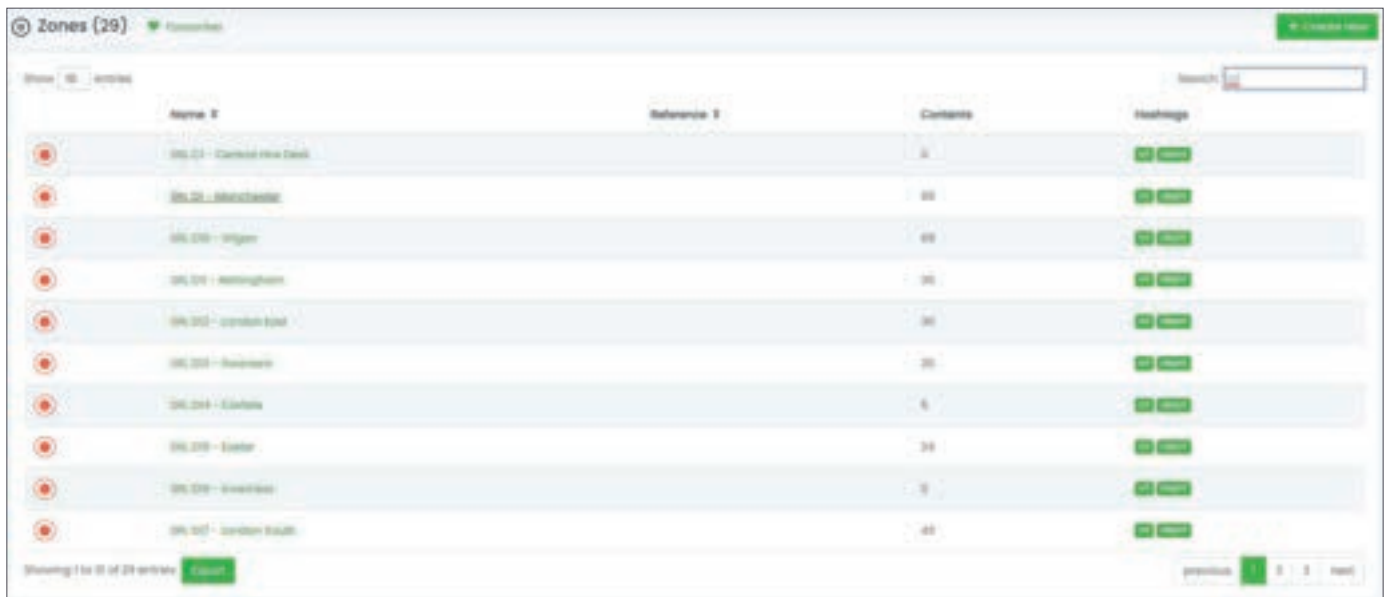
Data can be exported from the system using the 'Export' button with the export tab.



## ◦ Zone Index Screen

Clicking Zones from the main navigation takes you to the zone index screen. From here all zones are visible. The count shows the number of zones.

Users can create zones in the system to highlight specific areas, for example worksites, depots or other areas of interest. Once zones are created the system will generate reports of assets present within zones.



The screenshot shows the 'Zones [29]' screen with a table of zones. The table has four columns: Name, Reference, Contents, and Hashtags. Each row represents a zone with a red circular icon on the left, a name, a reference in brackets, a content count, and a 'View Hashtags' button.

Name	Reference	Contents	Hashtags
00,01 - Central New York	[00,01]	2	View Hashtags
00,02 - Massachusetts	[00,02]	69	View Hashtags
00,03 - Virginia	[00,03]	69	View Hashtags
00,04 - Washington	[00,04]	69	View Hashtags
00,05 - London East	[00,05]	30	View Hashtags
00,06 - Baltimore	[00,06]	30	View Hashtags
00,08 - Canada	[00,08]	6	View Hashtags
00,09 - India	[00,09]	34	View Hashtags
00,10 - Australia	[00,10]	9	View Hashtags
00,11 - London South	[00,11]	40	View Hashtags

The table displays the zone name and where present a reference is shown in brackets. The contents shows a count of the number of assets or people present within a zone.

Any hashtags associated with the zone are shown.

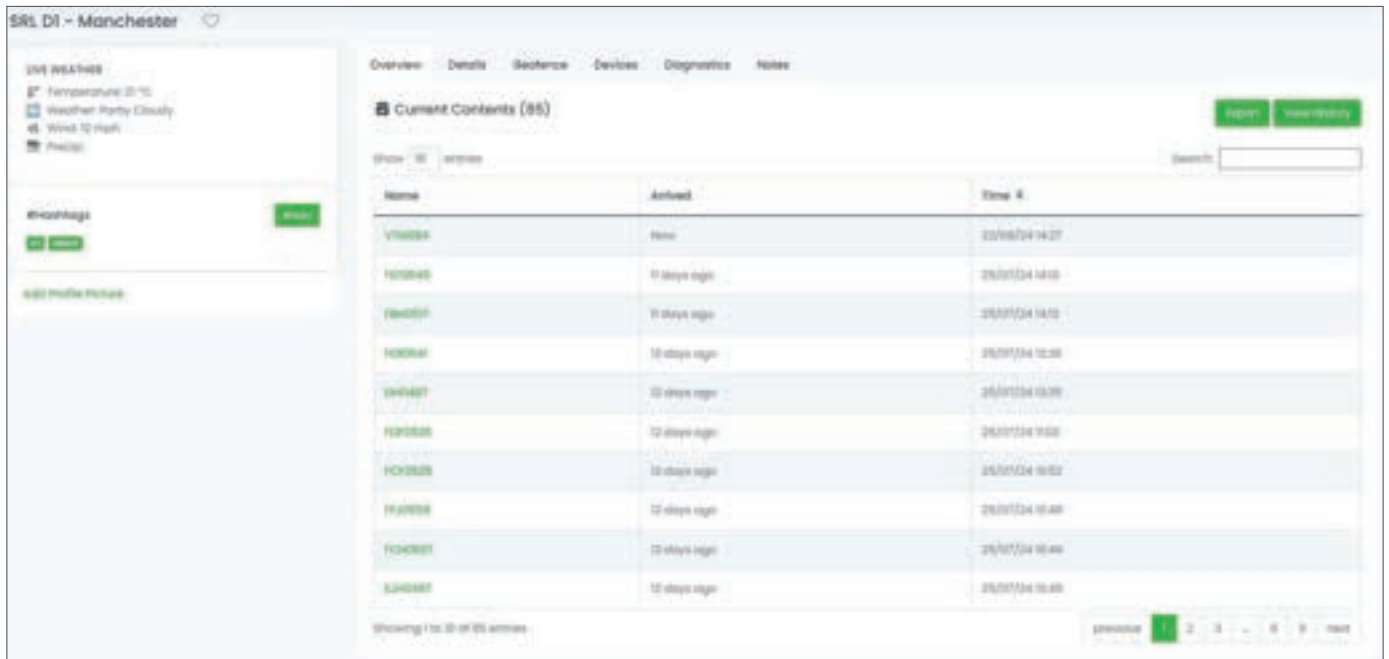
Clicking on a zone's name takes you to the zone screen

### Index Search

Using the search box within the table you can quickly and easily filter the table to find the people or hashtags you are interested in. Clicking on a hashtag within the table also performs an instant search to show just that hashtag.

## ◦ Zone Screen

The zone screen shows details of the selected zone.



The screenshot displays the 'SRI DI - Manchester' interface. On the left, there is a weather widget showing 'LIVE WEATHER' with a temperature of 21°C, 'Weather Party Cloudy', and 'Wind 12 mph'. Below this is a 'Hashtags' section with a green 'Add' button and a search box. The main area is titled 'Current Contents (85)' and features a table with columns for 'Name', 'Arrived', and 'Time #'. The table lists 10 items, each with a unique ID and an arrival time of '12 days ago'. A search box is located above the table. At the bottom of the table, it says 'Showing 1 to 10 of 85 items' and a pagination control shows '1' of 85 items.

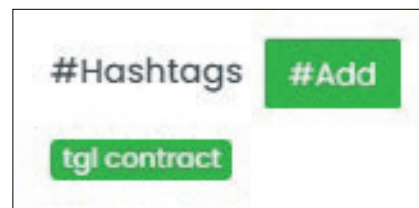
Name	Arrived	Time #
V10004	None	23/07/24 14:27
V10005	12 days ago	23/07/24 14:30
V10006	12 days ago	23/07/24 14:32
V10007	12 days ago	23/07/24 14:35
V10008	12 days ago	23/07/24 14:38
V10009	12 days ago	23/07/24 14:41
V10010	12 days ago	23/07/24 14:44
V10011	12 days ago	23/07/24 14:47
V10012	12 days ago	23/07/24 14:50
V10013	12 days ago	23/07/24 14:53

### Hashtags

Using the search box within the table you can quickly and easily filter the table to find the people or hashtags you are interested in. Clicking on a hashtag within the table also performs an instant search to show just that hashtag.

The hashtags currently associated with the zone are shown in green boxes. To add a new hashtag click the add button and follow the onscreen prompts.

To remove a previously added hashtag, click on the hashtag box and confirm removal using the onscreen prompt.



## Overview Tab

The overview tab shows a list of the current contents of the zone – people and assets. The current contents can be exported by clicking on the export button.

Name	Arrived	Time
V1M054	New	22/08/24 14:27
FEF0545	12 days ago	25/07/24 14:13
FBH0517	12 days ago	25/07/24 14:13
FEH0541	12 days ago	25/07/24 13:26
EAH0487	12 days ago	25/07/24 13:25
EDF0525	12 days ago	25/07/24 11:03
FCF0525	12 days ago	25/07/24 10:52
FFJ0558	12 days ago	25/07/24 10:49
FCX0527	12 days ago	25/07/24 10:49
EAH0487	12 days ago	25/07/24 10:48

The asset or person name is shown with their arrival time and how long they've been present within the zone.

Historical contents information is available by clicking on the 'View History' button. Historical contents can be filtered by date/time and is shown as either a timeline or a table showing the arrival time, exit time and duration of the visit. This data can be exported to CSV



## Details Tab

Overview Details Geofence Devices Diagnostics Notes

**Details**

Icon

Primary Name

SRL DI - Manchester

Secondary Name

Reference

Fleet Number

Additional Information [+ Create New](#)

Thresholds [+ Create New](#)

Type	HashTag	Value
------	---------	-------

Save Delete

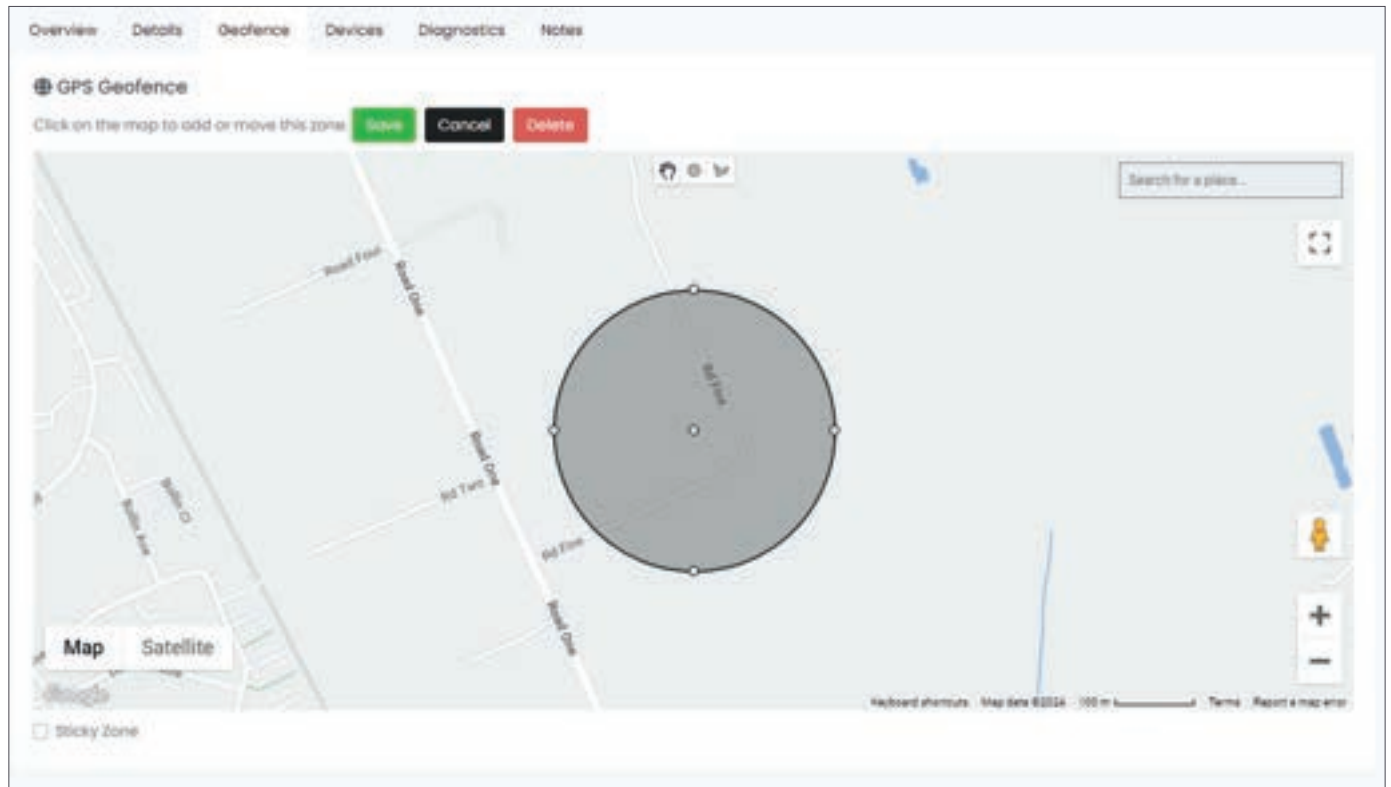
The details tab allows the zone details to be changed.

Users can update the Primary Name, Secondary Name, Reference & Icon.

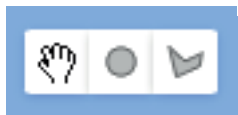
Additional information can also be added to show any additional information required by the user. To add more additional information field, click 'Create New' and follow the on-screen prompt.

## Geofence Tab

The overview tab shows a list of the current contents of the zone – people and assets. The current contents can be exported by clicking on the export button.



The zone's geofence is added and modified from this screen, using the geofence creation tools at the top of the map.



Draw either circular geofence (middle icon) or a polygon geofence (right-hand icon) over the map area that contains the zone.

Click Save to save changes.

## Devices Tab

Devices such as Bluetooth receivers can be associated with a zone. These devices monitor the zone for the presence of TracLogik Bluetooth tracking device which are associated with people or assets. When a device detects the presence of a TracLogik Bluetooth tracking device it's attendance is recorded within that zone.

Readers can be unlinked from this screen. Note that once a reader is unlinked, its data will not be recorded.

## Diagnostics Tab

The diagnostics tab prints data received by the connected devices to assist with troubleshooting.

## Notes Tab

The notes tab allows the user to associate notes with the zone.

# Map Screen

The map screen shows all assets and people on a map.



Users can move around the map, select a satellite view & select Google Street-View imagery.

## Map Search Boxes

There are two map search boxes at the top of the map on the left and the right.

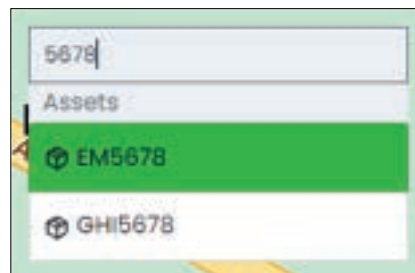
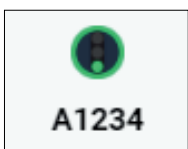
The right-hand search box allows users to search for assets, people & zones on the map. Using autocomplete the system will suggest results as you type.

The left-hand search box allows you to search the map for places and postcodes to view assets present at a specific location.

## Asset Information

Clicking on an asset icon selects that asset and shows high-level information for that asset above the map. Information shown includes when the tracking device last reported, when the location information was last updated, the current battery voltage of the asset, the last command sent to the asset and the red & green light status. Where red & green light status information is available, the asset map icon will update automatically to indicate the light status.

If the asset is moving, using the follow toggle means that the map view will automatically move to follow the asset.

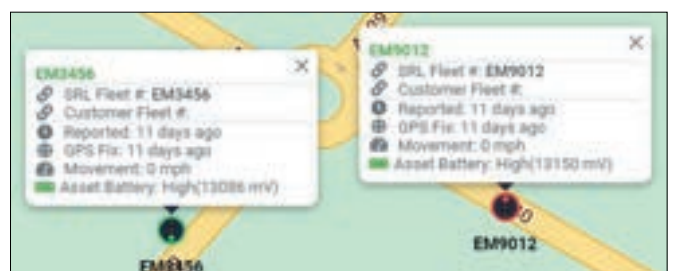


## Tracking Detail

There are two buttons on the map that enable tracking device details for either one or multiple assets/people to be viewed within the map.



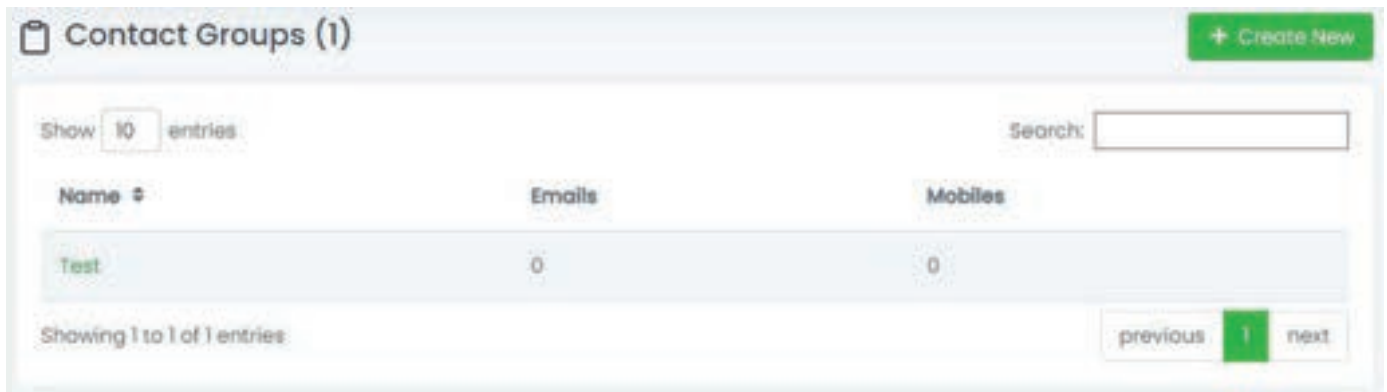
These buttons toggle information related to assets/people displayed on the map, either in a callout or a table.



## ◦ Contact Groups

Contact groups can be created to enable rules to send real-time alerts to via email and SMS text message.

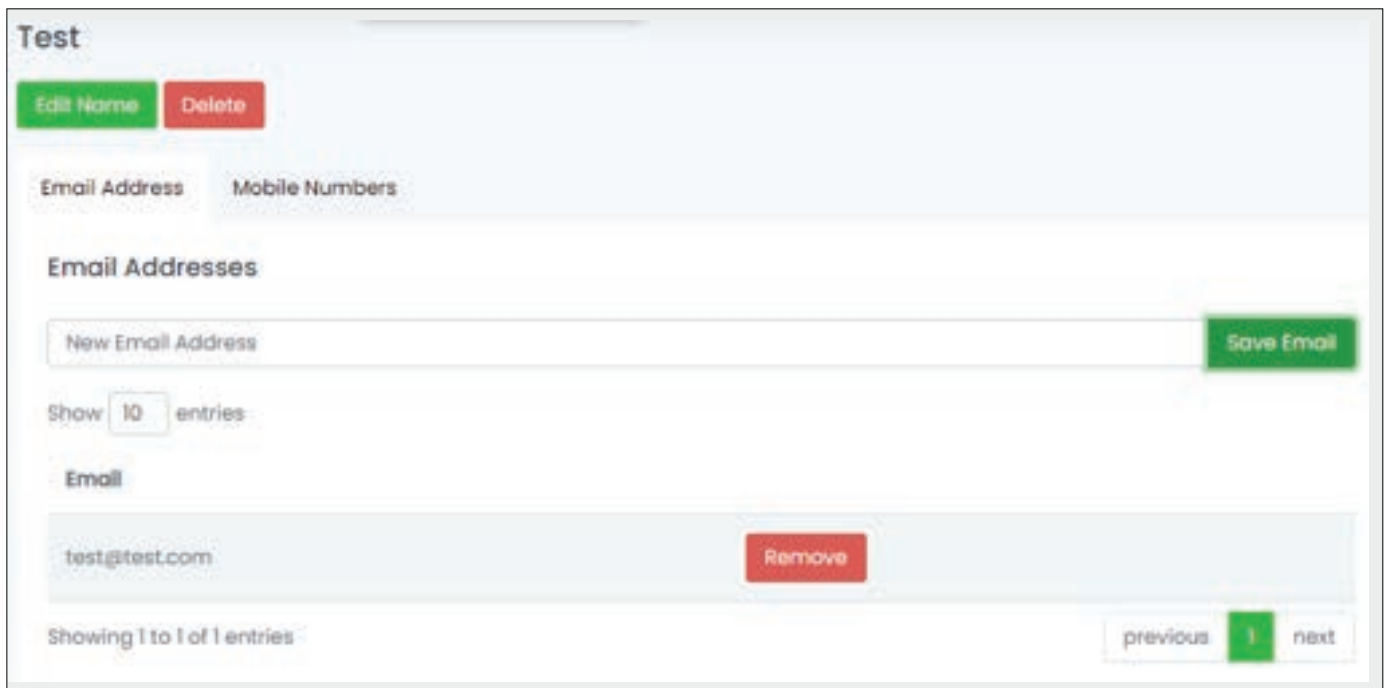
Each rule must have a contact group associated in order to send alerts.



The screenshot shows the 'Contact Groups (1)' index screen. At the top right is a green '+ Create New' button. Below the header, there is a 'Show 10 entries' dropdown and a 'Search:' input field. The main content is a table with three columns: 'Name', 'Emails', and 'Mobiles'. The table contains one row with the name 'Test', 0 emails, and 0 mobiles. At the bottom, there is a 'Showing 1 to 1 of 1 entries' message and pagination controls with 'previous', '1', and 'next' buttons.

Name	Emails	Mobiles
Test	0	0

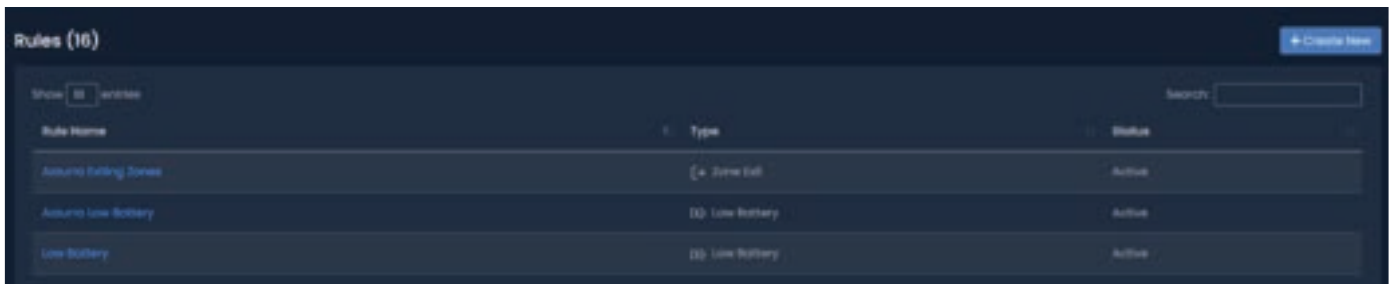
To create a new contact group click the green 'Create New' button from the contact group index screen. Name the group and add email addresses and mobile phone numbers.



The screenshot shows the 'Test' contact group edit screen. At the top left is the name 'Test'. Below it are two buttons: 'Edit Name' (green) and 'Delete' (red). There are two tabs: 'Email Address' (selected) and 'Mobile Numbers'. Under the 'Email Addresses' section, there is a text input field labeled 'New Email Address' and a green 'Save Email' button. Below this is a 'Show 10 entries' dropdown. The main content is a table with one row containing the email address 'test@test.com' and a red 'Remove' button. At the bottom, there is a 'Showing 1 to 1 of 1 entries' message and pagination controls with 'previous', '1', and 'next' buttons.

Email
test@test.com

## Rules Screen



Rule Name	Type	Status
Assume Entering Zones	(+) Zone Exit	Active
Assume Low Battery	(-) Low Battery	Active
Low Battery	(-) Low Battery	Active

Rules enable you to set conditions and receive alerts, for example for when assets move, enter zones or run low on a battery.

### Rule Types

The rules index shows all the created rules within the system. Clicking the Rule Name allows you to edit the rule.

### Rule Types

There are a number of different rules to choose from.

- **Entering Zones** - Receive an alert when assets or people enter a selected zone.
- **Exiting Zones** - Receive an alert when assets or people leave a selected zone.
- **Low Battery** - Receive an alert when your tag or tracker battery is running low.
- **Low Voltage** - Receive an alert when the wired supply voltage to a tracker falls below a preset level.
- **Motion Detection** - Receive an alert when an asset or person moves.
- **Speeding** - Receive an alert when an asset or person goes above a preset speed threshold.

### Rule Creation Wizard

The rule creation wizard guides you through the process of creating a rule to ensure that no steps are missed.

#### Each rule requires:

**Rule Name** – to identify the rule.

Associated Zones, Assets or People – to select the elements the rule should monitor. Some rules require just assets or people others require zones and assets or people.

**Schedule** – choose whether you want the rule to run all the time or just certain days/times.

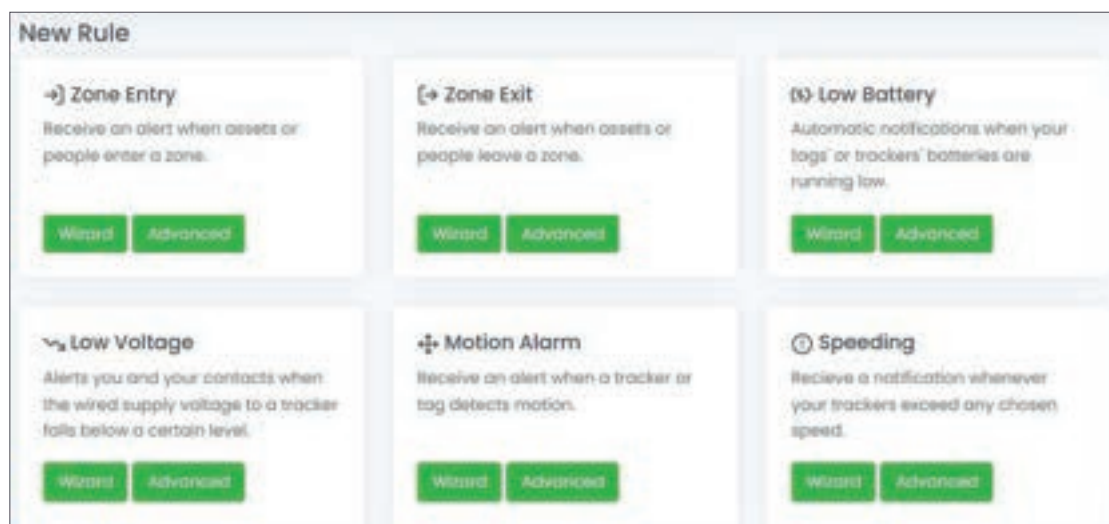
**Contact Groups** – when the rule generates a notification choose the contact group you'd like to be alerted.

#### Accessing Rules

Rules that assets or people are subscribed to are available from within the People and Assets screens in addition to the rule index screen.

### Alert History

The alert history shows the previously sent alerts.



**New Rule**

- (+) Zone Entry**  
Receive an alert when assets or people enter a zone.  
Wizard Advanced
- (-) Zone Exit**  
Receive an alert when assets or people leave a zone.  
Wizard Advanced
- (-) Low Battery**  
Automatic notifications when your tags or trackers' batteries are running low.  
Wizard Advanced
- (-) Low Voltage**  
Alerts you and your contacts when the wired supply voltage to a tracker falls below a certain level.  
Wizard Advanced
- (+) Motion Alarm**  
Receive an alert when a tracker or tag detects motion.  
Wizard Advanced
- (+) Speeding**  
Receive a notification whenever your trackers exceed any chosen speed.  
Wizard Advanced

## ◦ Hashtags

Assets, zones, and other elements within the system can be grouped by adding hashtags. Hashtags can be any text and are easily applied to elements within the system. Users can search for hashtags to show elements tagged with that hashtag. Elements can have multiple hashtags to reflect any grouping of your choice, for example depot, customer, site, hire, job etc.



The screenshot shows a web interface for managing hashtags. At the top, it says "# Hashtags (97)". Below this, there is a "Show 10 entries" dropdown and a "Search:" input field. The main content is a table with four columns: "#", "People", "Assets", and "Zones". Each row represents a hashtag and includes "Edit" and "Delete" buttons.

#	People	Assets	Zones	
vokler	0	1	0	Edit Delete
utmo	0	6	0	Edit Delete
uk north	0	2	0	Edit Delete
truggist	0	7	0	Edit Delete

The hashtag index screen shows the hashtags used in the system and provides a count of assets, people and zones subscribed to each hashtag.

Clicking the count searches the system for those hashtag subscribers.



**Feeling a little rusty on telematics or  
looking to work more efficiently?**

**Please contact your Regional Manager.**



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