



TRACKING WEB USER MANUAL

TK60178-8-OP-EN REV.6.2

November 26 2014

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Version Control

Revision	Date	Comments
6.0	11 October 2014	A040 release
6.1	31 October 2014	Removal of unavailable functionality.
6.2	26 November 2014	Qualified use of Preventative Maintenance Reports, enhanced description of Geofence Activity by Geofence Report, added details re. browser compatability.

System Overview

TracKing is an application from Thermo King powered by Celtrak which enables customers to track their vehicles/reefers in real time, to receive important data and alarms, and to generate reports on data gathered.

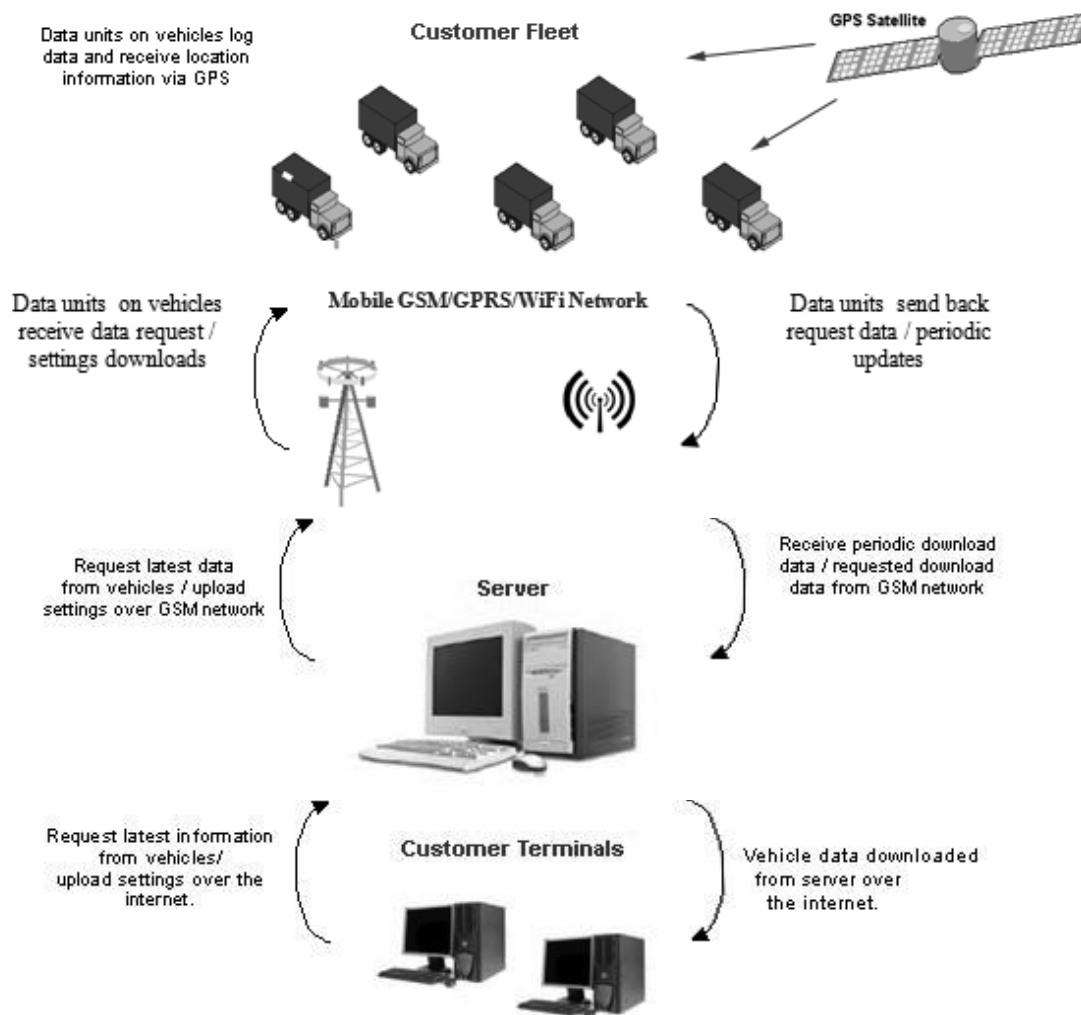
The following browsers are supported for TracKing:

- Mozilla Firefox
- Google Chrome
- Internet Explorer version 10+

Third party plug-ins and controls are not supported.

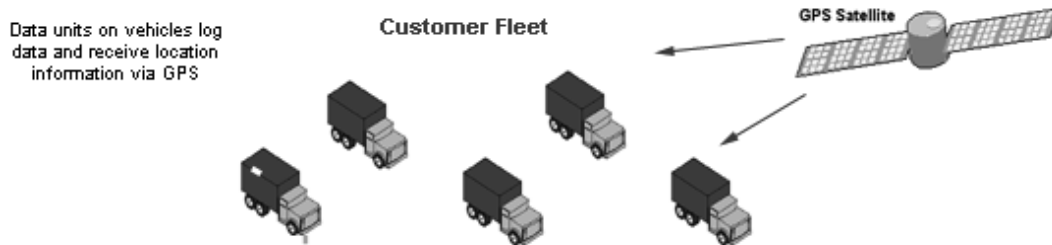
This user manual deals mainly with how to use the TracKing software, but an understanding of how the overall system works may be helpful.

The graphic below gives an overview of the elements involved in the system, and how the data is transferred from the vehicles in the fleet to be displayed on the monitoring screens on the customer site.



1.1 Customer Fleet

The customer fleet can consist of any number of vehicles. Those which need to be monitored must have the correct hardware installed by your Thermo King dealer before tracking can begin.



The hardware installed in the vehicle by your Thermo King dealers performs a number of functions:

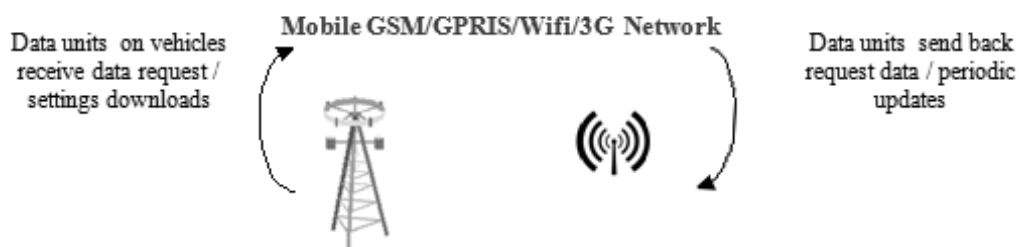
- It receives constant updates from the GPS satellite network which enables it to log the vehicles' exact location.
- It contains an array of sensors and monitoring equipment which allow it to log details such as temperature, speed and engine status.
- It is GSM-enabled which allows it to communicate the data it has logged (location data and sensor readings) back to the server at any time and from any location.

Data is transferred to the server:

- At predefined intervals.
- When a request for the latest data is received by the unit.

1.2 GSM/GPRS Network

The server communicates with the hardware installed in the vehicles over the GSM network. It can use a combination of SMS (short message service) messages and GPRS. GPRS allows the transfer of larger amounts of information more efficiently.



For this reason, each vehicle (or more precisely, the hardware installed in it) has a specific mobile number assigned to it. This is set up by the Thermo King dealer during installation and does not require any customer administration.

Note: Some REBs take advantage of 3G networks, reducing message transmission duration. For further information about Wi-Fi, including Infrastructure recommendations, see TK 55065 REB Diagnostic Manual or contact your local Thermo King Dealer.

1.3 Thermo King Server

The server sits at the heart of the TracKing system. It provides the interface between the monitoring software run in browsers on customer sites, and the customer fleet.



The server also stores configuration detail and user settings so that a user can log on at any PC terminal and experience the same user interface and personalised settings.

1.4 Customer Terminals

Customers can monitor their fleet activity using the TracKing application. It can be run on Internet Explorer 8.0 or higher, and Firefox 3.5 or higher by logging into the Tracking site with a valid username and password.



Clicking the update button within the application will send a request for the most up-to-date vehicle data to the server. Where necessary, the server will forward the request to the vehicle. When available, the data is downloaded to the customer terminal and displayed in the relevant pages.

2 Login Page

To begin using the TracKing monitoring software, first log into the TracKing system as follows:

- 1) Open a web browser (For example, Internet Explorer or Mozilla Firefox).
- 2) Navigate to www.tktracking.com. You will be presented with the following login page:



- 3) Enter your Username and Password.
- 4) Select your preferred language from the drop-down menu.
- 5) Click the LOGIN button. This will open the main TracKing page.

Note: If you do not have a valid Username and/or Password, please contact your system administrator.

2.1 User Levels

The system caters for a number of different levels of user. Your user level is determined by your User Role. Each role has a defined degree of access to system features, in particular the options available on the Administration page.

All users can access the tracking features.

The table below shows the different levels available, and an indication of what degree of access they allow:

User Role Descriptions

User Role	Description
Basic User	User can poll vehicles, view vehicle data, set up operations data and retrieve logger downloads.
Customer Administration	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads and perform user administration.
Maintenance	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads and send remote commands.
Maintenance With Remote On	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads and send remote commands including Remote On/off.
Operations Manager	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads, send remote commands and perform user administration.
Operations Manager With Remote On	User can poll vehicles, view vehicle data, set up operations data, retrieve logger downloads, send remote commands including Remote On/off and perform user administration.

Operations data refers to the adding, editing and deleting of Contacts, Points of Interest, Geofences, some limited vehicle data, custom and scheduled reports.

Note: If you feel that you do not have the correct level of access, please contact your system administrator.

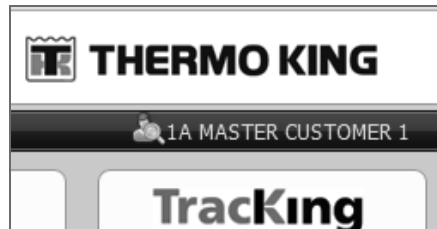
Customer Types

There are 3 types of customers:

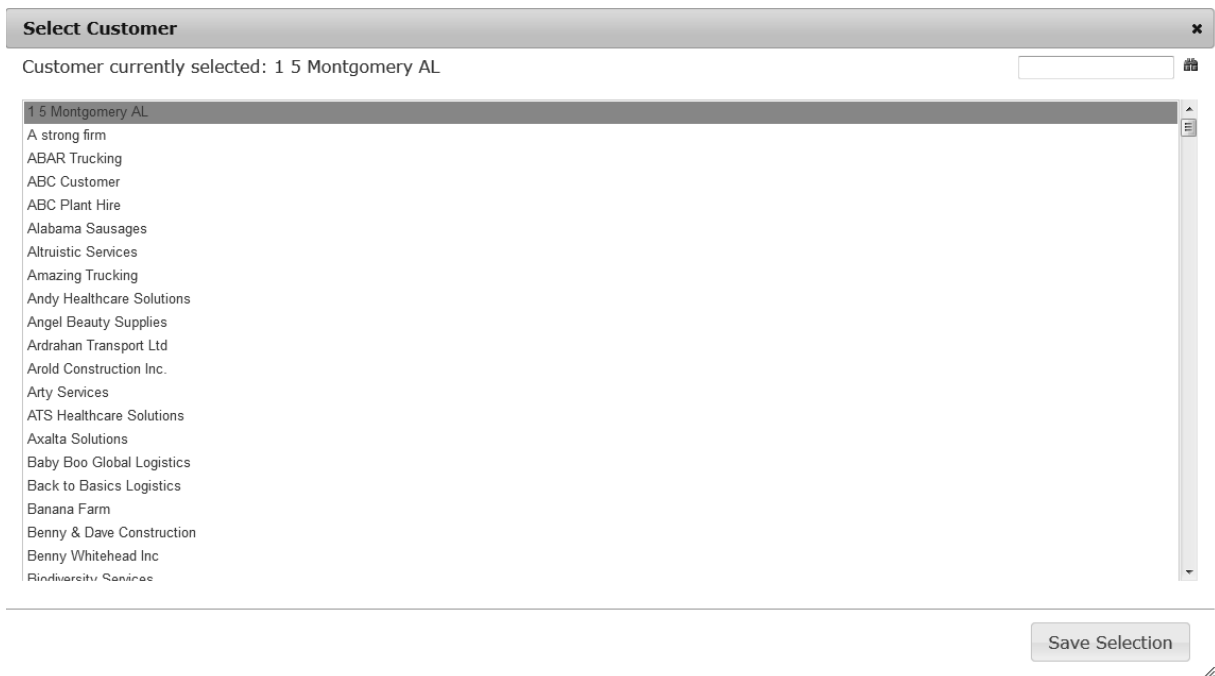
1. Standard: These customers are not involved in renting vehicles.
2. Master: This customer rents out vehicles to sub-customers. A master customer can view their own data and that of their sub customers.
3. Sub: These customers rent their vehicles from a master customer and only have access to view their own data.

Master Customer

If you are logged onto TrackKing as a master customer, you can simulate logging on as a sub-customer. The customer that you are simulating is displayed on the top right-hand corner of the Tracking List.



To switch to another customer, click the customer on the top right-hand corner. The Select Customer screen appears. This contains a list of all your sub customers. Search and select a new customer. Then, save the selection. You will now be simulating the selected customer. This means you can see the selected customer's data.



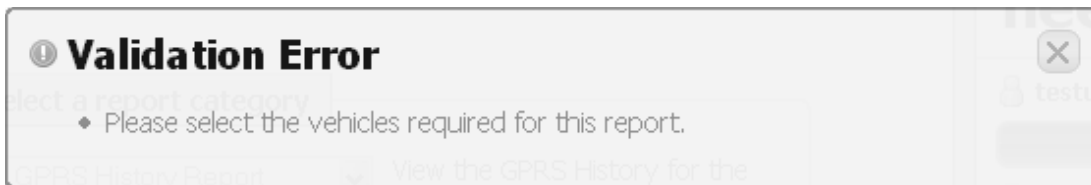
2.2 Error Messages

To ensure that data is inputted correctly to the system, checks are done in software on the values entered into the data fields on pages requiring user input. Similarly, any changes to the system configuration (add/edit/delete) are cross-checked to ensure that they will not adversely affect another setting. If any problems are anticipated, the system will generate an error message to alert the user to potential problems.

To close an error message, click on the 'X' in the top right-hand corner of the message box.

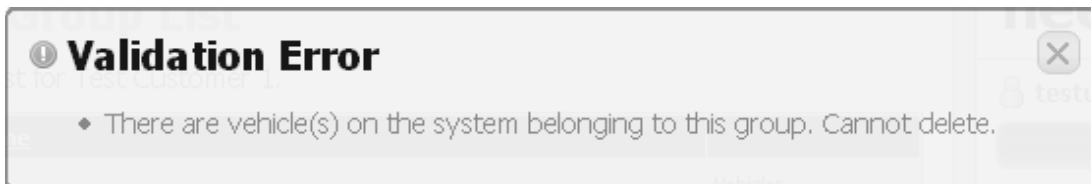
Example 1

If a user tries to generate a report without selecting any vehicles, a validation error will be displayed advising the user to select vehicles:



Example 2

If a user attempts to delete a vehicle group from the system which still has vehicles assigned to it, the system will alert the user with the following error message:



3 Connectivity Functions Matrix

The table below shows the TracKing GPRS functional features which are available for different models.

	SR2/3/ 4-HMI	SR2/3/4 -DAS	μP-VI w/ DAS	μP-VI	μP-V w/ DAS	μP-IV MT w/ DAS	μP-IV MT	TG-VI w/ DAS	TTMT w/ DAS	μP-T w/ DAS
1. Display of SP (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
2. Display of RA (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
3. Display of DA (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
4. Display of independent sensors	YES	YES	YES	NO	YES	YES	NO	YES	YES	YES
5. Display of alarms (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
6. Display of OP-mode (1zone/multi-zones)	YES	YES	YES	YES	YES	YES	YES	NO	YES	NO
7. Display of unit mode(Cycle Sentry/Cont)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
8. Display of Hour meters	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
9. Display of Fuel level *	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
10. Display of Door status	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
11. Display Battery voltage	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
12. Display of Ambient temperature	YES	YES	YES	YES	NO	YES	YES	NO	NO	NO
13. Display of position	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
14. Display of date/time	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
15. Display of Speed	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
16. Change of SP	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
17. Initiate Defrost	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO
18. Initiate Pre-Trip	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO
19. Clear Alarms	YES	YES	YES	YES	NO	YES	YES	NO	YES	NO
20. Change Unit Mode	YES	YES	YES	YES	NO	YES	YES	YES	YES	YES
21. ON-OFF Two-Way	YES	YES	NO	NO	NO	NO	NO	NO	NO	NO
22. Geo fencing	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
23. Scheduled-daily Download OTA	YES	YES	YES	NO	YES	YES	YES	YES	YES	YES
24. Wake-up Capability(SCOM-DPD/x-Wake)	YES	YES	YES	NO	YES	YES	NO	YES	YES	YES
25. On-demand Download	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
26. Alarm Notification	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

* - Fuel visibility only possible when using the correct fuel gauge

4 Main Page

Once logged in, you are presented with the main TracKing page, as shown below:


The screenshot shows the TracKing main page interface. At the top, there is a navigation bar with the TracKing logo and a 'THERMO KING' logo with a gear icon. Below the navigation bar, there is a 'Tracking List' section. This section includes a 'Show 50 entries' dropdown, navigation buttons for 'First', 'Previous', 'Next', and 'Last', and a 'Filter:' input field. The main part of the page is a table with the following columns: Vehicle, Icon, Date & Time, Last Known Position, Power, Speed, Ambient Temp, Alarm Code, SP 1, RA 1, S1, Mode, Fuel Level, and Engine Hours. The table contains several rows of data, including vehicles like 'AMG Test Vehicle 0', 'Razor DAS 1', 'Razor SR3 +353860143449', 'REB CRYO 1', 'Razor uPV via DAS', 'REB SR4 Simulator', 'REB_Ed_SR3_2', 'Razor UpVI via DAS', '+353863899540', '+353864618609 LMU3000 MaireMcAndrew', and '+15707865495 Ed Flahve Kore Test Sim'. At the bottom of the table, there is a 'Clear Messages' button.

The main page contains the features listed below. Click on a heading for more information on any feature:

Menu Bar

This provides links to the different pages within TracKing: Track Vehicles; Maps; Data Management; Administration; Preferences and Alarms.

Vehicle Selection Menu

The vehicle selection menu slides out when the user hovers over this vehicle selection menu icon . It contains a list of the vehicles configured on the customer's system.

Gearbox


This panel is displayed on the top right hand of all pages. It identifies the logged in user and their preferences. You can also access 1-click reports from this menu too. 1-click reports are described in more detail later. You can logout by clicking on the gearbox at the top right-hand corner and selecting Logout from the dropdown menu.

Page Footer Icons


The icons in the page footer give the user access to Contact information and this User Manual.

4.1 Vehicle Selection Tree

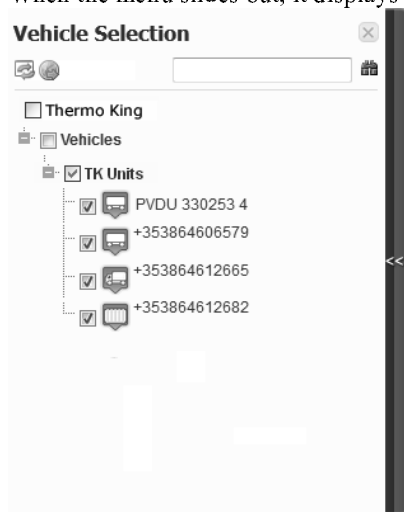
This slide-out menu is available on all pages and allows the user to see all the vehicles configured on their TracKing system. Depending on the system configuration, the vehicles may be arranged in groups. Tick boxes are provided for each vehicle and group to enable the user to select which vehicles/groups will be displayed on the current page (for example, in the tracking list or on the map).

Note: After selecting vehicles, the user should click the Refresh icon  to update the data in the main browser window before exiting the Vehicle Selection menu.

Accessing the Vehicle Selection Tree

1) To access the menu, hover over the navy bar  at the side of the browser window.

When the menu slides out, it displays a list of vehicle icons, as shown below:



2) To close the menu:

- Click on the navy bar again, or,
- Click in the main browser window, or,
- After a short period of inactivity, the menu will close automatically.

Selecting Vehicles

The user can select/deselect all vehicles at once, as a group or individually by checking the box at the appropriate level.

To select a vehicle to include in the display on the current page, tick the box next to it.

Vehicles can be located by scrolling through the list or using the search option.

Icons

There are a number of icons displayed within the menu to help the user. The icons provide the following functions:



Refresh: Click here to refresh the data displayed on the current page.



Confirm Map Selections: Click here to go to the map page and confirm the vehicle selections.



Search: Enter a full or partial name or number in the text box, and then click this icon to search for a vehicle. Any matches are highlighted in blue for easy identification as the user scrolls through the list.

4.2 1-Click Reports

The 1-Click Reports feature gives the user easy access to fleet data. The report can be viewed in the browser window, and if required, exported to an Excel, PDF or RTF file.

To navigate to the 1-click reports, click on the gearbox on the top-right hand corner. The 1-click reports appear in the dropdown list.

There are two report options available:



1. Current Fleet Report

Click the Current Fleet Report link to generate a report on all vehicles. The data will be displayed as shown in the screenshot below.

Current Fleet Report X

Current Fleet Report

Preferences

Temperature Type: Fahrenheit | Time Zone: Greenwich Mean Time | Speed Type: KPH | Fuel Unit: Litres

Date & Time	Vehicle Name	Position	Speed	Door Lock	SP1	RA 1	SP2	RA 2	S1	S2	S3	S4	Unit Power	Unit Mode	Unit Alarm	Door 1	Engine Hours	Fuel Level	Battery Voltage
07/02/2014 16:35:12	REB Joe +3538660407137	Bothar Na Dtreabh (NS), At Celtrak, IRL	1		39	36.3			33.6	39.9	38.1	28.1	On	CS	Yes	O	1089	900	13.03
07/02/2014 17:12:59	REB Joe +3538664614031	Bothar Na Dtreabh (NS), At Celtrak, IRL	0										Off		Yes				

2 items found, displaying all items.

Export options: Excel | PDF | RTF | Print

2. 24 Hr Reefer History Report

Click the 24 Hr Reefer History Report to see the information logged for a particular reefer in the preceding 24-hour period. The data is displayed as follows:

24 Hour Reefer Fleet History Report X

24 Hour Vehicle History Report

Preferences
 Temperature Type: Celsius
 Time Zone: Greenwich Mean Time
 Speed Type: KPH

Date & Time	Vehicle Name	Position	Speed	SP1	SP2	SP3	S1	S2	S3	S4	S5	S6	Unit Power	Unit Alarm	Fuel Level	Zone 1 Door Open	Zone 2 Door Open	Zone 3 Door Open	Operating Mode for Zone 1	Operating Mode for Zone 2	Operating Mode for Zone 3
04/05/2008 17:27:49	TRANSCAN 6091739	0.23 km West of TestPOI, IRL	0				30.5	31.1						No		C	0				
04/05/2008 17:29:52	TRANSCAN 6091739	0.22 km West of TestPOI, IRL	0				31.1	31.8						No		C	0				
04/05/2008 17:31:55	TRANSCAN 6091739	0.22 km West of TestPOI, IRL	0				33.1	34.3						No		C	0				
04/05/2008 17:33:58	TRANSCAN 6091739	0.23 km West of TestPOI, IRL	0				33.8	35.1						No		C	0				
04/05/2008 17:36:01	TRANSCAN 6091739	0.23 km West of TestPOI, IRL	0				32.1	33.1						No		C	0				
04/05/2008 17:38:04	TRANSCAN 6091739	0.22 km West of TestPOI, IRL	0				30.7	31.5						No		C	0				

703 items found, displaying 1 to 50.

[< First / Prev] 1, 2, 3, 4, 5, 6, 7, 8 [Next / Last >]

Export options: Excel | PDF | RTF

3. Exporting Data to File

To export the data for saving or easier viewing, click the preferred file option (Excel, PDF or RTF) link at the bottom of the report, and save the file to the desired location.

4.3 Menu Bar

The Menu Bar is displayed on every page of the TracKing application. It allows the user to navigate quickly around the system. By default, the application opens on the Track Vehicles page.

Track Vehicles

This page displays a list of the vehicles being tracked with the most recently received data displayed for each one.

Maps

This page displays vehicle locations, Points of Interest and other system items as icons on an integrated map.

Data Management

This section enables the user to generate reports on a wide range of the data collected by the system.

Administration

The administration page provides access to the tools available for setting up and maintaining the system.

Preferences

This page gives the user the option of setting system preferences.

Alarms

The alarms page displays recent alarms and allows the user to acknowledge them.

Dashboard

The dashboard displays visual information related to a selected vehicle.

Logout

This link allows the user to logout.

5 Track Vehicles

The Track Vehicles page displays a list of customer vehicles which have been selected in the Vehicle Selection tree.

The ability to zoom in or out is controlled by your browser, so varies depending on what browser you are using.

The screenshot shows the Tracking List interface. At the top, there is a navigation bar with the Tracking logo and a THERMO KING logo. Below the navigation bar, there is a menu with options: TRACK VEHICLES, MAPS, DATA MANAGEMENT, ADMINISTRATION, PREFERENCES, ALARMS, DASHBOARD, and LOGOUT. The main content area is titled "Tracking List" and includes a "Show 50 entries" dropdown, navigation buttons (First, Previous, Next, Last), a Filter input field, and "Columns" and "Save Columns" buttons. The table below lists various vehicles with columns for Vehicle, Icon, Date & Time, Last Known Position, Power, Speed, Ambient Temp, Alarm Code, SP 1, RA 1, S1, Mode, Fuel Level, and Engine Hours. A "Clear Messages" button is located at the bottom of the table.

Vehicle	Icon	Date & Time	Last Known Position	Power	Speed	Ambient Temp	Alarm Code	SP 1	RA 1	S1	Mode	Fuel Level	Engine Hours
AMG Test Vehicle 0		09/17/14 10:39:36 AM	Vet Clinic, IRL	On	49	25.0	9005*	0	0.0	0.0	Cycle-Sentry		900
Razor DAS 1		09/17/14 12:20:01 PM	Standard Printers, IRL	On	0	24.8	9005*	6	24.6		Continuous	1000	
Razor SR3 +353860143449		09/15/14 4:02:40 PM	Standard Printers, IRL	On	0	24.7	9005*	6	24.8		Continuous		
REB CRYO 1		09/17/14 12:24:38 PM	Standard Printers, IRL	On	0	24.7	9005*	6	24.5	26.3	Continuous	1000	
Razor uPV via DAS		09/17/14 12:24:50 PM	Standard Printers, IRL	On	0	-14.2	9005*	6	-14.7	-39.4	Cycle-Sentry		2634
REB SR4 Simulator		09/17/14 12:23:41 PM	Standard Printers, IRL	On	0	-18.7	9005*	2	-23.4	-40.1	Cycle-Sentry	0	
REB_Ed_SR3_2		09/17/14 12:25:06 PM	No Satellite Coverage	On	0	-21.1	9005	-3	-4.1	2.1	Continuous		12
Razor UpVI via DAS		09/17/14 12:24:31 PM	No Satellite Coverage	On	0	-23.8		4	-23.9	32.1	Continuous		
+353863899540		No Data	No Satellite Coverage										
+353864618609 LMU3000 MaireMcAndrew		09/08/14 3:04:37 PM	Vet Clinic, IRL	On	1			0	0.0		Cycle-Sentry		
+15707865495 Ed Flahve Kore Test Sim		No Data	No Satellite Coverage										

Tracking List

This list forms the main body of the window. It lists the vehicles currently being tracked by the Tracking system which are selected in the Vehicle Selection Tree. The list sequence can be reordered by dragging and dropping the column headers. The data can be sorted by clicking a column header. Columns can be added or removed by clicking the Columns button. Refer to the Tracking List page for a more detailed explanation of what data can be displayed.

Vehicle Selection Tree

Click on the icon to use this slide-out menu to choose which vehicles to include in the Tracking List.

Message Window

This window at the bottom of the screen displays messages whenever a request for data is sent to a vehicle.

5.1 Tracking List

The Tracking List shows those vehicles which have been selected for display in the Vehicle Selection Menu.

Tracking List

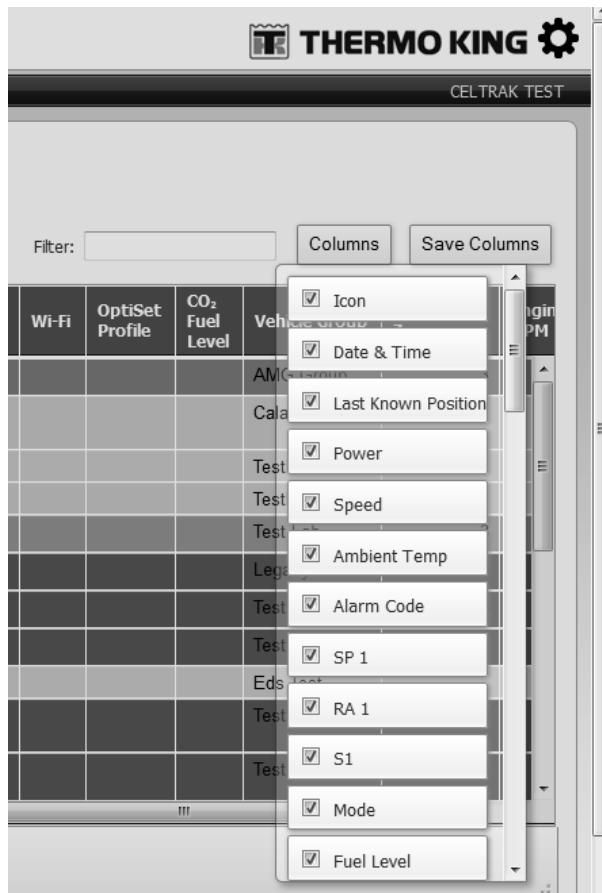
Show 50 entries

Filter: Columns Save Columns

Vehicle	Icon	Date & Time	Last Known Position	Power	Speed	Ambient Temp	Alarm Code	SP 1	RA 1	S1	Mode	Fuel Level	Engine Hours
AMG Test Vehicle 0		09/17/14 10:39:36 AM	Vet Clinic, IRL	On	49	25.0	43	0	0.0	0.0	Cycle-Sentry		900
Razor DAS 1		09/17/14 12:20:01 PM	Standard Printers, IRL	On	0	24.8	9005*	6	24.6		Continuous	1000	
Razor SR3 +353860143449		09/15/14 4:02:40 PM	Standard Printers, IRL	On	0	24.7	177	6	24.8		Continuous		
REB CRYO 1		09/17/14 12:24:38 PM	Standard Printers, IRL	On	0	24.7	9005*	6	24.5	26.3	Continuous	1000	
Razor uPIV via DAS		09/17/14 12:24:50 PM	Standard Printers, IRL	On	0	-14.2	37*	6	-14.7	-39.4	Cycle-Sentry		2694
REB SR4 Simulator		09/17/14 12:23:41 PM	Standard Printers, IRL	On	0	-18.7	509*	2	-23.4	-40.1	Cycle-Sentry	0	
REB_Ed_SR3_2		09/17/14 12:25:06 PM	No Satellite Coverage	On	0	-21.1	9005	-3	-4.1	2.1	Continuous		12
Razor UpVI via DAS		09/17/14 12:24:31 PM	No Satellite Coverage	On	0	-23.8		4	-23.9	32.1	Continuous		
+353863899540		No Data	No Satellite Coverage										
+353864618609 LMU3000 MaireMcAndrew		09/08/14 3:04:37 PM	Vet Clinic, IRL	On	1			0	0.0		Cycle-Sentry		
+15707865495 Ed Flahive Kore		No Data	No Satellite Coverage										

Column Headings

The Tracking List is customizable. There are many details belonging to a vehicle that can be displayed. These are represented by column header. Columns can be added or removed by clicking on the Columns button to the top-right of the Tracking List.



At the end of the column list, there is an All button, which selects all the columns and a None button, which de-selects all the columns.

Filter

The filter text boxes returns rows on the Tracking List that match the specified data.


There are some limitations:

- The filter returns rows, even if the data match is found on hidden columns
- The filter does not support Icons or data displayed in a tooltip, e.g., alarm code text.

Save Columns

The Save Columns button saves the current Tracking List configuration for the user. Configuration consists of column sorting, column ordering and column visibility, so that the next time that user logs on, the saved Tracking List configuration shall load.

Sorting Columns

Data in the Tracking List can be sorted by clicking any column header. One of the following arrows will appear at that column header.  This indicates the column that the tracking data is sorted by and whether in ascending or descending order.

The four most important columns are:

- **Vehicle:** This displays the name of the vehicle as defined in the system administration. Clicking on the vehicle name brings the user to the Edit Vehicle page. The vehicle name cannot be hidden and cannot have its position altered, i.e., the Vehicle column cannot be dragged to another location on the list.
- **Last Known Position:** This states the last confirmed location of the vehicle. Clicking on the Last Known Position brings the user to the location on the map.
- **Date:** This displays the date and time at which the last valid data was received from the vehicle. Clicking on the Date column will request the vehicle to send in an update.
- **Wi-Fi:** If the vehicle is communicating via Wi-Fi an icon is displayed in the Wi-Fi column

Ordering Columns

Columns can be re-ordered by dragging and dropping them by the header. Simply, left-click the mouse on one of the column headers, hold down the left mouse button and drag the column to the desired location. Then, release the mouse. The column will now appear in that order.

Colour Coding

The colour of the vehicle information gives us additional information on the status of the trailer.

- **Red** – At least 1 Red Alarm is reported on the Telematics Unit in the last message to the Server. Red, Orange and Green Alarms can be included in the message.
- **Orange** - At least 1 Amber/orange Alarm is reported on the Telematics Unit in the last message to the Server. Only Orange and Green Alarms can be included in the message.
- **Green** – At least 1 Green Alarm is reported on the Telematics Unit in the last message to the Server. Only Green Alarms are included in the message.
- **Blue**: - No Alarms are on the Telematics Unit in the last reported message.

Tracking List

Show 50 entries

Filter: Columns Save Columns

Vehicle	Icon	Date & Time	Last Known Position	Power	Speed	Ambient Temp	Alarm Code	SP 1	RA 1	S1	Mode	Fuel Level	Engine Hours	DA
AMG Test Vehicle 0		09/17/14 10:39:36 AM	Vet Clinic, IRL	On	49	25.0	143	0	0.0	0.0	Cycle-Sentry		900	
Razor DAS 1		09/17/14 12:20:01 PM	Standard Printers, IRL	On	0	24.8	9005*	6	24.6		Continuous	1000		
Razor SR3 +353860143449		09/15/14 4:02:40 PM	Standard Printers, IRL	On	0	24.7	177	6	24.8		Continuous			
REB CRYO 1		09/17/14 12:24:38 PM	Standard Printers, IRL	On	0	24.7	9005*	6	24.5	26.3	Continuous	1000		
Razor uPIV via DAS		09/17/14 12:24:50 PM	Standard Printers, IRL	On	0	-14.2	37*	6	-14.7	-39.4	Cycle-Sentry		2694	
REB SR4 Simulator		09/17/14 12:23:41 PM	Standard Printers, IRL	On	0	-18.7	509*	2	-23.4	-40.1	Cycle-Sentry	0		
REB_Ed_SR3_2		09/17/14 12:25:06 PM	No Satellite Coverage	On	0	-21.1	9005	-3	-4.1	2.1	Continuous		12	
Razor UpVI via DAS		09/17/14 12:24:31 PM	No Satellite Coverage	On	0	-23.8		4	-23.9	32.1	Continuous			
+353863899540		No Data	No Satellite Coverage											
+353864618609 LMU3000 MaireMcAndrew		09/08/14 3:04:37 PM	Vet Clinic, IRL	On	1			0	0.0		Cycle-Sentry			
+15707865495 Ed Flahive Kore		No Data	No Satellite Coverage											

If alarms are present, they will display in the Alarm Code column. A hover-over provides more details.

Tracking List

Show 50 entries

Filter: Show / hide columns

Vehicle	Icon	Date	Last Known Position	Power	Alarm Code	SP 1	RA 1	S1	Mode	Fuel Level	Engine Hours	DA
CeltrOS (Debian Wheezy)												
Joe Mc		No Data	No Satellite Coverage									
Mickey (Nissan Micra) Eric		No Data	No Satellite Coverage									
Razor 0406468		11/29/99 6:00:00 PM	No Satellite Coverage	Off								
Razor DAS 1		09/11/14 4:04:43 AM	Standard Printers, IRL	On	177						1000	
Razor TKDL 1		No Data	No Satellite Coverage									
Razor uPIV via DAS		09/11/14 4:06:25 AM	Standard Printers, IRL	On	66*	4	-14.8	-39.5	Continuous		2694	
Razor UpVI Direct Connect		09/11/14 4:06:21 AM	Standard Printers, IRL	On		4	-23.9					

Clicking on the alarm, brings the user to the Alarms page, where more details about each alarm are displayed.

Alarms

Displaying all unacknowledged alarms from the last 60 days.

Alarms greater than 60 days old can be viewed in the Alarm History Summary Report.

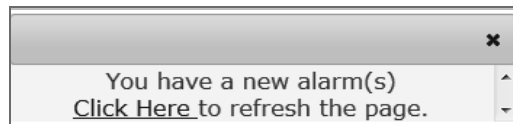
<input type="checkbox"/>	Vehicle	Alarm Type	Zone	Pre-Trip	#	First Logged	Last Logged	Last Known Position
<input type="checkbox"/>	Razor DAS 1	177 Check Tank Pressure Sensor			2172	09/03/14 8:01 PM	09/11/14 4:28 AM	Bothar Na Dtreabh (N6), 0
<input type="checkbox"/>	Razor DAS 1	9005 Temperature out of range	1		1662	09/03/14 8:01 PM	09/11/14 4:03 AM	Bothar Na Dtreabh (N6), 0
<input type="checkbox"/>	Razor DAS 1	98 Check Fuel Level Sensor			1889	09/03/14 8:01 PM	09/10/14 5:58 AM	Bothar Na Dtreabh (N6), 3

3 items found, displaying all items.

Confirm Cancel







Alarms can be acknowledged by checking the alarm and hitting Confirm.

If another alarm comes through, a notification will appear on the page with an option to refresh the page.






Icon

The icon used and its colour has significance in the vehicle tracking list. The following table summarises this information.




ICON Type	Colour
 Bus	Blue: Unit has not communicated over GPRS for more than 20mins Green: Trailer/Vehicle moving greater than 2mph. Orange: Trailer/Vehicle not moving and Controller Power (reefer) on. Red: Trailer/vehicle not moving and Controller Power (reefer) off.
 Container	
 Tractor	
 Truck	
 Van	
 Trailer	

Alarm Code

This displays whether any alarm was reported in the last message received by the Server. By clicking on the Icon, the user is brought to the "Alarms" webpage, where all unacknowledged alarms for all vehicles will be displayed.

-  Red Icon At least 1 Red Alarm is reported on the Controller or Telematics Unit in the last message to the Server. Red, Orange and Green Alarms can be included in the message.
-  Orange Icon At least 1 Amber/orange Alarm is reported on the Controller or Telematics Unit in the last message to the Server. Only Orange and Green Alarms can be included in the message.
-  Green Icon At least 1 Green Alarm is reported on the Controller or Telematics Unit in the last message to the Server. Only Green Alarms are included in the message.
- No Icon - No Alarms are on the Controller or Telematics Unit in the last reported message.

If you hover over the alarm icon, a description of the alarms will pop up:

Alarm Code	SP 1	RA 1	S1	Mode
 9005*				9005 Temperature out of range(Z1)
 9005*				177 Check Tank Pressure Sensor
 43	0	0.0	0.0	Cycle Sentry

An * after the alarm code indicates that more than 1 alarm is present.

Zone information will be displayed if the alarm is specific to a zone (Z1-Z3). (P) means the alarm was raised while the unit was in pre-trip mode. (G) means the alarm is guarded.

If you click directly on an alarm icon, you will be brought to the Alarms page, where more details of any alarms for that vehicle are displayed:


Alarms									
Displaying all unacknowledged alarms from the last 60 days.									
Alarms greater than 60 days old can be viewed in the Alarm History Summary Report.									
<input type="checkbox"/>	Vehicle	Alarm Type	Zone	Pre-Trip	#	First Logged	Last Logged	Last Known Position	User
<input type="checkbox"/>	AMG Test Vehicle 0	30 Defrost Damper Stuck Closed			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	20 Engine (Vapor Motor CR) Failed to Start			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	10 High Discharge Pressure or Temp			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	28 Pre-trip or Self-Check Abort			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	32 Refrigeration Capacity Low			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	
<input type="checkbox"/>	AMG Test Vehicle 0	43 Unit Forced to Low Speed Modulation			3	09/17/14 10:32 AM	09/17/14 10:39 AM	0.38 miles West of Vet Clinic, IRL	


6 items found, displaying all items.

Confirm Cancel

Lock

Some unit may have a door lock attached and this will be represented by a lock icon.

The  symbol denotes that the vehicle has a door lock fitted, the door is currently locked and the Telematics unit is in Conservative, Countdown or ON mode. If this button is clicked, an unlock command shall be sent to this unit. A tool tip shall display “door is locked” for this symbol

The  symbol denotes that the vehicle has a door lock fitted, the door is currently unlocked and the Telematics unit is in Conservative, Countdown or ON mode. If this button is clicked, a lock command shall be sent to this unit. A tool tip shall display “door is unlocked” for this symbol.

If either icon is clicked, a pop up shall appear to the user asking them to confirm that they want to lock or unlock the door and that this is an additional cost if sent via SMS. Door Lock checkbox must be checked on Vehicle Maintenance webpage or a blank value shall be displayed.

Last Known Position

This states the last confirmed location of the vehicle. If "No Satellite Coverage" is displayed, this means the vehicle is in an area of poor GPS coverage or may not have the GPS antenna attached. The tool tip for last known position shall display a more detailed location information.

By clicking on the text, the user is brought to the Maps section of the website. The selected vehicle is shown on the map. This is a new feature and replaces the Map icon in the current system and saves column space on the Tracking List. If a unit is out of GPS coverage and displays “No Satellite Coverage”, then the maps link shall not be enabled. The Text colour shall follow a standard link colour on the website and shall not change due movement and reporting status.

Power

This shows whether the Controller device connected to the Telematics Unit is On or Off.

SP 1

This shows the Setpoint for the Zone 1 of a vehicle's refrigeration unit. This is only shown when the Controller is On. The value must be > -35 for it to be displayed. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value indicates that the value could not be read.

SP2

This shows the Setpoint for the Zone 2 of a vehicle's refrigeration unit. This is only shown when the Controller is On. The value must be > -35 for it to be displayed. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value indicates that the value could not be read.

SP3

This shows the Setpoint for the Zone 3 of a vehicle's refrigeration unit. This is only shown when the Controller is On. The value must be > -35 for it to be displayed. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value indicates that the value could not be read.

Date & Time

This displays the date and time at which the last valid data packet was received from the vehicle.

By clicking on the timestamp, an SMS request is sent to the Unit, asking for a current status message to be sent to the Server immediately, outside of its standard logging interval. An SMS charge will apply to the customer for using this request. The Ping request can be tracked on the Command History Report. The tool tip displays "Get Data for this vehicle".

Wi-Fi

This column displays the Wi-Fi icon if the Telematics unit has reported any message via Wi-Fi in the last 5 minutes. If a vehicle is in Wi-Fi, then Two Way commands shall be sent to the Vehicle via Wi-Fi. Currently, only some REBs have Wi-Fi capability.

For further information about Wi-Fi, including Infrastructure recommendations, see TK 55065 REB Diagnostic Manual or contact your local Thermo King Dealer.

Optiset Profile

This is the current Named Optiset™ temperature profile currently running on the Unit.

This is only displayed on REBs that have their Controller information available. If a REB is not using a named temperature profile and if this is any other Telematics units, this cell displays a blank value.

RA 1

The Return Air 1 is the temperature reading in zone 1 of the air that has circulated through the box and is entering the refrigeration unit.

This is only displayed if controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be > -35 for it to be displayed.

RA 2

The Return Air 2 is the temperature reading in zone 2 of the air that has circulated through the box and is entering the refrigeration unit.

This is only displayed if controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be > -35 for it to be displayed.

RA 3

The Return Air 3 is the temperature reading in zone 3 of the air that has circulated through the box and is entering the refrigeration unit.

This is only displayed if controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be > -35 for it to be displayed.

DA 1

The Discharge Air 1 is the temperature reading in zone 1 of the air that has emitted from the refrigeration unit into the box.

This is only shown when controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be > -35 for it to be displayed.

DA 2

The Discharge Air 2 is the temperature reading in zone 2 of the air that has emitted from the refrigeration unit into the box.

This is only shown when controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be > -35 for it to be displayed.

DA 3

The Discharge Air 3 is the temperature reading in zone 3 of the air that has emitted from the refrigeration unit into the box.

This is only shown when controller information is available. A '----' value shall be shown if the zone is not active and the Controller is available. A blank value shall be displayed if the zone is not configured and Controller information is available. The value must be > -35 for it to be displayed.

OP 1

This details the Operational mode of the controller in zone 1. This is not always populated and is only shown if Controller information is available and the OP Mode is supported by TKTracKing website. A '----' value shall be shown if the zone is not active and the Controller is available.

OP 2

This details the Operational mode of the controller in zone 2. This is not always populated and is only shown if Controller information is available and the OP Mode is supported by TKTracKing website. A '----' value shall be shown if the zone is not active and the Controller is available.

OP 3

This details the Operational mode of the controller in zone 3. This is not always populated and is only shown if Controller information is available and the OP Mode is supported by TKTracKing website. A '----' value shall be shown if the zone is not active and the Controller is available.

Mode

This describes the Engine mode of the refrigerated vehicle. It is only shown when the Controller Information is available or an Ignition off event. This can be set to the following modes:

- **C** – Short for Continuous. The engine will always be on and regulating air temperature. C is shown on reports, while Continuous is displayed on the Tracking List.
- **CS** – Short for Cycle Sentry. The engine runs efficiently and turns off when desired temperature is reached. The controller will monitor return air and when a tolerance is reached, the engine will turn on again. CS is shown on reports, while Cycle Sentry is displayed on the Tracking List.

Door 1

This shows whether a fitted Door in zone 1 is "Open" or "Closed". Door Switch checkbox must be checked on Vehicle Maintenance webpage or a blank value shall be displayed.

It is displayed if Controller information is available, if the door sensor is connected to the Controller or if connected directly to a REB. The door sensor is available in Countdown and Full on power modes.

Door 2

This shows whether a fitted Door in zone 2 is "Open" or "Closed". Door Switch checkbox must be checked on Vehicle Maintenance webpage or a blank value shall be displayed.

It is displayed if Controller information is available, if the door sensor is connected to the Controller or if connected directly to a REB. The door sensor is available in Countdown and Full on power modes.

Door 3

This shows whether a fitted Door in zone 3 is "Open" or "Closed". Door Switch checkbox must be checked on Vehicle Maintenance webpage or a blank value shall be displayed.

It is displayed if Controller information is available, if the door sensor is connected to the Controller or if connected directly to a REB. The door sensor is available in Countdown and Full on power modes.

Engine Hours

This indicates the total number of hours that the refrigeration unit is powered by the engine over its life time. It is displayed if Controller information is available.

Port A

Port A displays the device connected to the Telematics unit on Port A.

It shows the name the device connected to Port A, whether the device is connected via DAS or DAS IV and the version of firmware that the device is running (if available).

If a communication issue occurs between the Telematics Device and the TK device connected on port A, the word 'Disconnected' will be displayed after the TK Device information, if device information available.

Port B

Port A displays the device connected to the Telematics unit on Port B.

It shows the name the device connected to Port A, whether the device is connected via DAS or DAS IV and the version of firmware that the device is running (if available).

If a communication issue occurs between the Telematics Device and the TK device connected on port B, the word 'Disconnected' will be displayed after the TK Device information, if device information available.

Vehicle Group

This indicates the vehicle group that the vehicle belongs to.

Speed

This displays the speed of a vehicle when it last reported to the website. It can be displayed in Mph or Kph depending on the User's preferences.

Ambient Temp

This indicates the ambient temperature that the refrigeration unit sensor is reading. It is displayed if Controller information is available. This can be displayed in Celsius or Fahrenheit depending on the user's preferences.

Fuel Level

This shows the Fuel Level of a Reefer. Fuel Tank size must be greater than 0 on the Vehicle Maintenance webpage or a blank value shall be displayed. Fuel Level is displayed if Controller information is available and if the fuel sensor is connected to the Controller. If the fuel sensor is connected to the REB, it shall only be displayed if REB is in Full On or Countdown power modes. This can be displayed in Litres, Imperial or US gallons depending on the user's preferences.

S1, S2, S3, S4, S5, S6

These represent the temperature value that independent data logger (DAS, HMI or TKDL) temperature sensors are reading. Values from active sensors connected to the data logger are displayed on this line.

There are up to 6 sensors supported, ranging from S1 to S6. A blank value shall be displayed if the sensor is not supported or logger information is not available to the Telematics device, i.e., the Logger must be in Countdown or On mode. Controller Ignition status is irrelevant.

Logger sensor values cannot be greater than 40 degrees Celsius. If a data logger sensor value of greater than 40 degrees Celsius is received from the unit, the logger sensor label and its value will not be displayed.

Logger sensor values cannot be less than or equal to -45 degrees Celsius. If a data logger sensor value of less than or equal to -45 degrees Celsius is received from the unit, the logger sensor label and its value will not be displayed. The maximum value is 100C.

The loggers supported are HMI, DAS and TKDL.

Electric Hours

This indicates the total number of hours that the refrigeration unit is powered by the electric motor only for a vehicle over its life time. It is displayed if Controller information is available.

Battery Hours

This indicates the total number of hours that a Cryotech unit battery has been running for. It is displayed if Controller information is available and the unit is connected to a Cryotech device.

Total Hours

This indicates the total number of hours that the refrigeration unit is on using the null, battery and engine power for a vehicle over its life time. It is displayed if Controller information is available.

Battery Voltage

This indicates the Battery Voltage of the Controller when ON. It is displayed if Controller information is available.

Odometer

This indicates the total distance travelled by a vehicle over its life time. It is only available for tractor (Canbus) vehicles.

Telematics

This describes the type of installed telematics device and the version of firmware that the telematics device is running. A device can have a value of CT 4.5, DataPod, Razor or REB. A blank string is shown if the fitted device is unknown.

CO2 Fuel Level

This shows the CO₂ of a Reefer connected to a Cryotech unit. Cryotech CO₂ Tank Size must be greater than 0 on Vehicle Maintenance webpage or a blank value shall be displayed. CO₂ Fuel Level is displayed if a fuel sensor fitted and Controller information is available and the unit is connected to a Cryotech device.

Configured Zones

This indicates the number of configured zones on a reefer. For Single Temp vehicles, this shall always default to 1. For Multi Temp vehicles, the number of configured zones shall be determined by the Controller and passed to the Server. If a vehicle only has 2 zones, then the 3rd zone is assumed to not be configured. If a vehicle only has 1 zone, then the 2nd and 3rd zones are assumed to not be configured.

Configured zones are only displayed if Controller information is available.

Engine RPM

This indicates the Revs Per Minute of the reefer at the exact moment the unit has generated the temperature message. It is displayed if Controller information is available.

Power Source

This describes how the refrigeration unit is powered. It can be Diesel, Electric or Cryo.

5.2 Messages Window

This window at the bottom of the tracking list displays messages whenever a request for data is sent to a vehicle.

If the vehicle is contactable, it will display a sequence of messages which show the connection being set up. It does not display the actual data being downloaded.

All messages generated for the customer fleet are displayed in this window, regardless of whether they are initiated by the person logged into the current terminal, or by another system user elsewhere.

The screenshot below shows a message being displayed when the user clicks the 'Get Data' icon for a vehicle in the tracking list.



Clear Messages

Use the Clear Messages button to clear all the messages displayed in this window.

6 Maps

The Maps page in TracKing displays an integrated map. The user can choose to view vehicle locations, Points of Interest and any other mapping features which are enabled.

The screenshot below shows an example of a map display.



6.1 Map Menu

The Map Menu is located at the bottom right corner of the screen, and becomes visible when the user hovers over the Map Menu Icon **Map Menu**. From here, the user can toggle on and off options to display on the maps screen (vehicles, vehicles labels, Points of Interest, Dealer locations and Geofences).

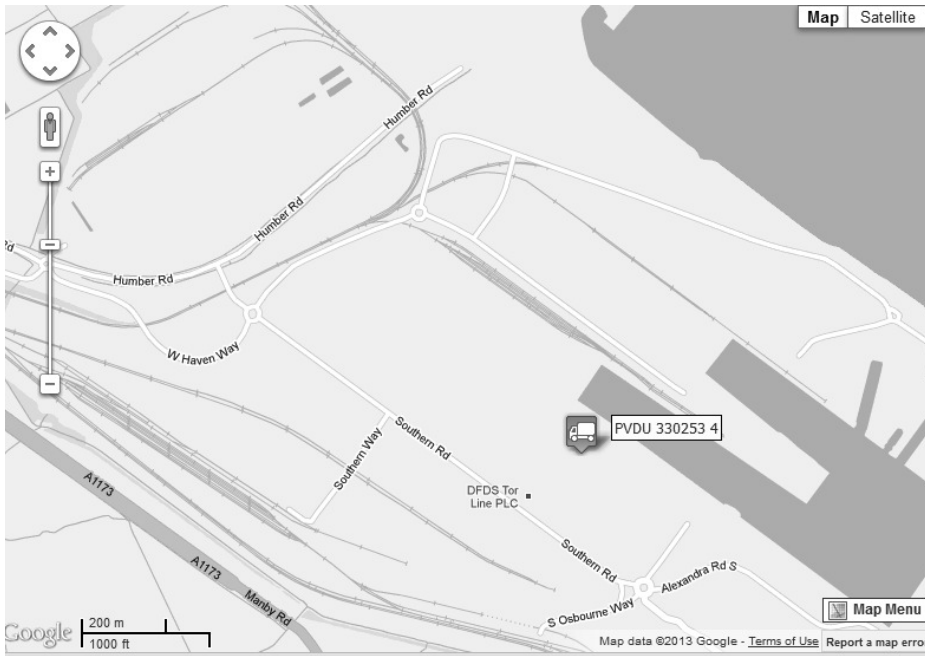


6.2 Labels

To toggle label display on/off, click the label icon **Show Vehicle Labels** in the Map Menu.

Labels show the name of a vehicle next to the vehicle icon so that it is more quickly identified than clicking on it to open an information balloon.

The screenshot below shows vehicles with their associated labels displayed.



6.3 Vehicle Information

When a user selects a vehicle, an information window for the vehicle is displayed. This window shows position information, speed, temperature information and its operations mode. If available, the user can also select a Google Street View from this information prompt or from the Google 'Pegman' control on the left of screen.



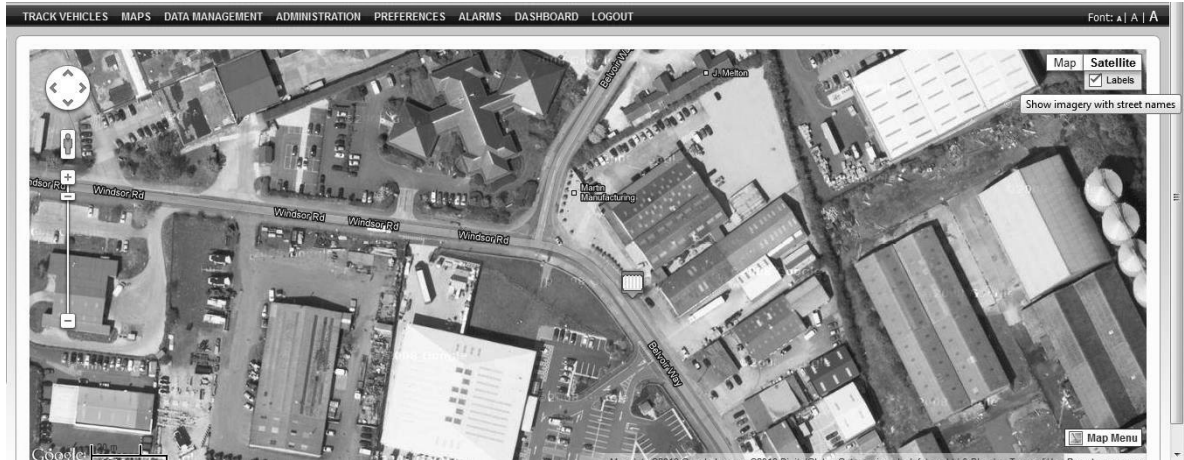
6.4 Satellite/Hybrid Maps

The integrated Google maps allow the user to switch to two different map types, in addition to the standard map.

1. Satellite Map

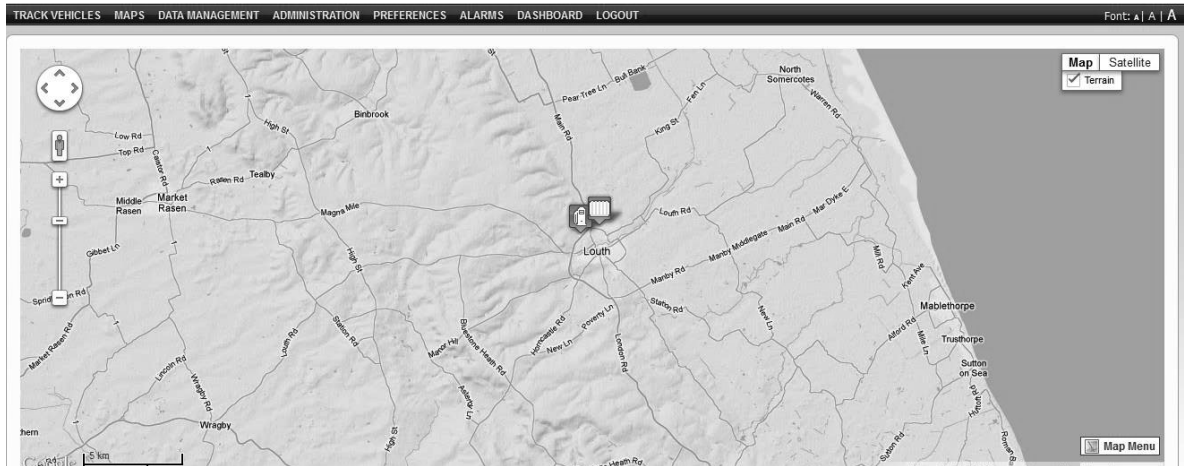
this can show detailed physical features if zoomed in sufficiently. The user can toggle on and off labels for this map by selecting the labels tab under the Satellite Menu on the top right screen.

Note: These images are stored satellite images and should not be considered as a real-time representation of the area being viewed.



Map View / Terrain

The user can select a Google Map view or Map view with the regions Terrain superimposed. The feature is enabled by moving the cursor over the Map link and ticking the Terrain under maps.



6.5 Pan, Zoom & Street View

The integrated Google Maps allow the user excellent control over the map view.

Pan



To use the panning feature to move the map view left/right/up/down by clicking on the appropriate arrow.

Zoom



The integrated Google Maps allow the user to zoom in to a very detailed level, and also to zoom out to a very high level view.

The zoom can be adjusted by:

- Clicking the +/- buttons for a controlled zoom in/out.
- Clicking and holding the slider and moving it up/down for a more rapid zoom in/out.

HINT: Using the roller-wheel on a mouse will allow you to quickly scroll in/out.

Street View



Users can zoom to a Google Street view by dragging the 'Pegman' across to the location.



6.6 Dealer Locations

The user can toggle 'on' and 'off' dealer location information by checking the Show Dealer Locations icon

Show Dealer Locations in the Map Menu. Dealer information can be turned on and off independently of Points of Interest.



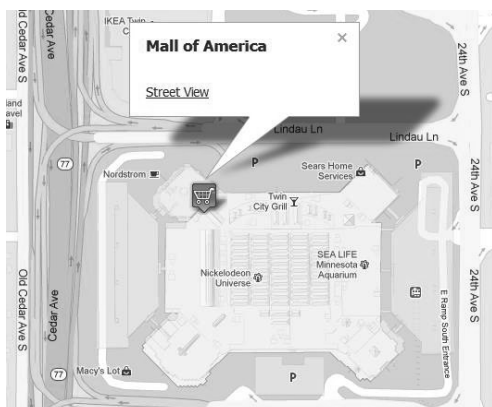
6.7 Point of Interest

The Points of Interest configured on the system can be displayed on the map page by clicking the Show POI icon Show POIs in the Map Menu

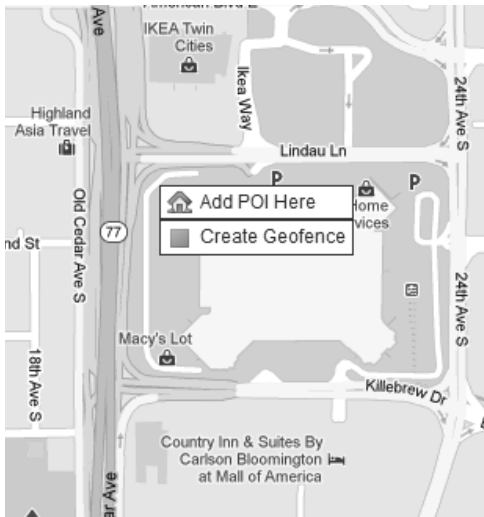
Users can create points of interest to easily identify locations of importance. These can be relevant locations such as delivery sites or depots.

Please note all Thermo King Dealers are stored as system POI's. These POI's can also be turned on and off using this icon.

The screenshot below shows a Point of Interest icon which has been clicked to show its details.



If the user wishes to create a Point of Interest, they can right click on the map location and select 'Create POI Here' from the menu option.



Users are then directed to the ‘Add / Edit a Point of Interest’ screen. Here the user can add a description of the POI and provide a suitable graphic for the location.

Add / Edit a Point of Interest

POI Details


Longitude

Latitude

POI Description

POI Image

6.8 Cluster Points of Interest

Multiple Points of Interest concentrated around the same area are clustered into groups represented by a cluster icon.  The number in the centre of the icon represents the number of POIs for that location. When you zoom into the cluster or click on the cluster the actual POIs are visible. The user can right click on an individual

POI to edit its properties.



6.9 Find a Place

From the Map Menu a user can search for a location, using the find a place option

Find a place .

When finding a place the user can type in a place name or zip code and Google Maps will suggest a number of related locations.

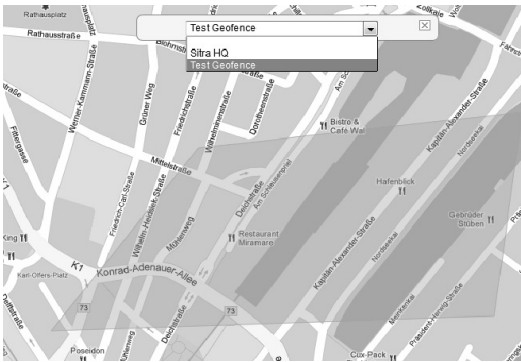


6.10 Geo Fence

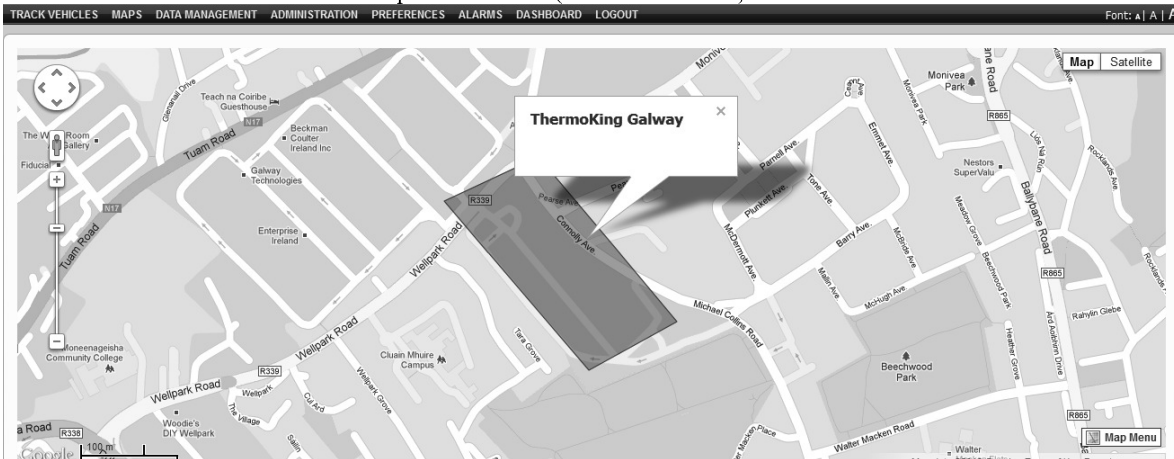
The Geo Fence feature allows the customer to mark areas of importance through which their vehicles are expected to transmit and receive notification when they enter/exit that area. For example, setting a Geo Fence around a delivery point could enable the customer to identify if a delivery is taking too long to be unloaded by the recipient.

The Geo Fences which are configured on the system can be displayed on the map page.

To display the Geo Fenced areas, click the Show Geo Fences icon Show Geofences in the Map Menu.



The screenshot below shows an example Geo Fence (blue shaded area).

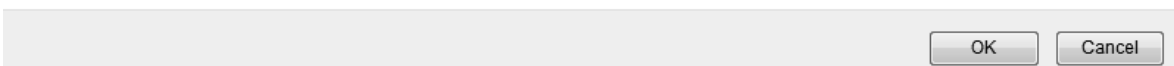


6.11 Create a Geo Fence

To create a Geo Fence:

1. Right click on the Google Maps page and select the 'Create Geofence' option Create Geofence
2. You will be prompted to create a Geofence using four points. The system will automatically join the first and fourth points to close the Geofence. The user will be asked to proceed with the creation of this Geofence. When creating a geofence, it is recommended to oversize the geofence perimeter by 50m to take account of GPS drift and to reduce the likelihood of nuisance notifications. The scale bar, located at the bottom of the map, will provide reference when dimensioning the geofence.

Geo-fences can only contain 4 points. Place 4 points on the map to represent the geo-fence. The system will automatically join the 1st and 4th point to close the geo-fence.



3. After the user places 4 points on the map, they are asked to confirm whether they want to proceed in creating a geofence:

Do you wish to proceed with creating this GeoFence?

4. When the Geo Fence has been confirmed, a form is displayed to allow the user to enter the details related to the Geo Fence.

- Geo Fence name/description. Geofence names must be unique, regardless of the status of the geofence, i.e., whether it is active or deleted.
- The color should be displayed as on the map.
- Notify on Entry. If this is selected, the system shall notify the contacts specified when the vehicles associated with this Geofence enters that Geofence.
- What vehicle movements in relation to the Geo Fence should cause a notification action?

For example, tick the 'Notify on Entry' for a notification each time a vehicle on the system enters the area defined by the Geo Fence.

- The notification type can be SMS, email, both or no notification.
- To select the contacts to be notified of the alarms select the contacts from the list of contacts displayed and hold the control button on your keyboard.

HINT: To delete a contact from Geo Fence notification; deselect them and hold down the control button on your keyboard.

TIP: Ensure the vehicle you need to place a Geo Fence around is selected before confirming the Geo Fence. You can select multiple vehicles for a single Geo Fence

5. Click 'Confirm' to save the Geo Fence details and return to the map page.

Note: The Geo Fence alarm notification works in tandem with the logging interval of the unit.

6.12 Full-Screen Mode

In full-screen mode, a new browser window is opened with the map expanded to occupy the entire window.

- The map toolbar is still available.
- The original browser window running TracKing remains open in the background, and can be used in parallel.



7 Data Management

This page enables the user to generate standard or customized reports from the data gathered by the Tracking system.

The page has two sections for the user to complete: selecting a standard or customized report category and selecting the time period.

Data Management



Select a standard report category



Select A Report ▼

Select a customized report category

No Comm ▼
 Select A Report
 No Comm
 This is a Custom report created by Celtrak

Select Start & End Date

Start Date:  

End Date:  

GENERATE REPORT

Select a Vehicle

Before a report is selected it is necessary to select a vehicle or multiple vehicles that the report is to be applied. Select a vehicle using the Vehicle Selection tree. Please refer to the section on the Selection tree at the beginning of this manual.

Select a standard report category

Select a category from the drop down menu. There are a large number of category options are enabled on your system. For a full list of categories, and links to descriptions of each, refer to the [Report Categories](#) page. The standardized reports contain both Tractor and Trailer reports. Please refer to the “Displaying and Reporting Tractor Data” section for information on the Tractor reports.

Customized Report Categories

Reports created by the user are available in the Customized report dropdown. The user must still select the vehicles/trailers before running the report.

How to create a customized report will be explained in the administration section.

Select Start & End Date

Depending on the report category selected, the user may be required to enter a start date or a start and end date. In a few cases where no date entries are required, this section is blank.

Generate Report

When the required category has been selected and the date requirements filled in, click the Generate Report button to produce a report.

Reports are displayed on the same page, and can then be exported to file if required.

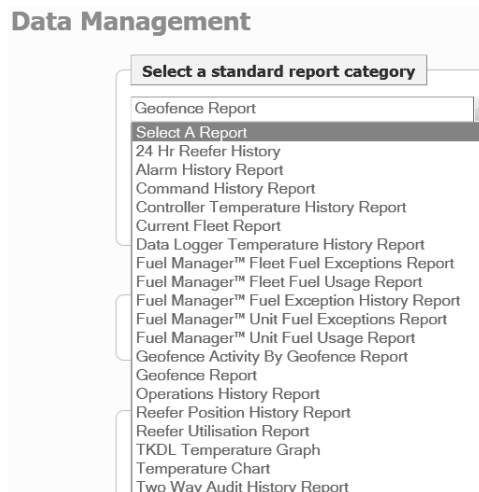
8 Standard Report Categories

The following report categories can be chosen from the drop-down menu on the Data Management page. Some report categories have additional options which the user can select before generating a report.

- 24 Hour Reefer History Report
- Alarm History Summary Report
- Command History Report
- Controller Temperature History Report
- Current Fleet Report
- Data Logger Temperature History
- Geo-Fence Report
- Geo-Fence activity by Geo-Fence Report
- Operations History Report
- Preventative Maintenance Compliance Report
- Preventative Maintenance History Report
- Reefer Position History Report
- Reefer Utilisation Report
- TKDL Temperature Graph
- Temperature Chart

As a user selects the report type they will see a brief description of the report function, and information relating to the Maximum number of vehicles and Maximum Date range the report can be run against.

After a user hits generate report, a user can filter data, change the column ordering and show or hide columns. However, if the user exports a report, all columns in the default order shall be exported.



8.1 24 Hour Reefer History Report

Generate a report for the previous 24 hours for all units on the stored tracking list. This report is restricted to 20 vehicles.

24 Hr Reefer History

24 Hour Vehicle History Report

Preferences

Temperature Type: Celsius | Time Zone: Greenwich Mean Time | Speed Type: KPH | Fuel Unit: Litres

Date & Time	Vehicle Name	Position	Speed	SP1	SP2	SP3	Unit Mode	S1	S2	S3	S4
21/01/2014 17:16:55	Razor 0406468	BoThar Na Mine, 0.74 km West of Celtrak, IRL	0								
21/01/2014 17:21:17	Razor 0406468	Tuam Road (R338), 0.69 km West of Thermo King, IRL	35								
21/01/2014 17:35:27	Razor 0406468	Oranhill (N59), 5.66 km North West of Galway, IRL	64								
21/01/2014 17:43:48	Razor 0406468	Clifden Road (N59), 1.23 km East of Moyvullen, Galway, IRL	0								
21/01/2014 17:55:42	Razor 0406468	Clifden Road, 5.72 km East of Oughterard, Galway, IRL	52								
21/01/2014 17:57:12	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
21/01/2014 18:57:14	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
21/01/2014 19:57:13	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
21/01/2014 20:57:15	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
21/01/2014 21:57:12	Razor 0406468	Killola, 5.12 km East of Oughterard, Galway, IRL	0								
21/01/2014 22:57:11	Razor 0406468	Killola, 5.12 km East of Oughterard, Galway, IRL	0								
21/01/2014 23:57:15	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 00:57:11	Razor 0406468	Killola, 5.12 km East of Oughterard, Galway, IRL	0								
22/01/2014 01:57:11	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 02:57:12	Razor 0406468	Killola, 5.12 km East of Oughterard, Galway, IRL	0								
22/01/2014 03:57:16	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 04:57:10	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 05:57:15	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 06:57:11	Razor 0406468	Killola, 5.13 km East of Oughterard, Galway, IRL	0								
22/01/2014 07:52:23	Razor 0406468	Clifden Road, 6.32 km East of Oughterard, Galway, IRL	75								
22/01/2014 07:53:11	Razor 0406468	Clifden Road (N59), 5.54 km North West of Moyvullen, Galway, IRL	88								
22/01/2014 08:03:33	Razor 0406468	Clifden Road, 3.18 km South East of Moyvullen, Galway, IRL	46								
22/01/2014 08:17:47	Razor 0406468	Headford Road (N6), 1.39 km West of Thermo King, IRL	47								
22/01/2014 08:23:37	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								
22/01/2014 09:24:20	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								
22/01/2014 10:24:20	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								
22/01/2014 11:24:08	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								
22/01/2014 12:24:20	Razor 0406468	Bothar Na Dtreabh (N6), At Celtrak, IRL	0								

Second part of Report is shown below.

Speed	SP1	SP2	SP3	Unit Mode	S1	S2	S3	S4	S5	S6	Unit Power	Unit Alarm	Fuel	CO ₂ Fuel	Door 1	Door 2	Door 3	OP 1	OP 2	OP 3	
0											On	No									
35											Off	No									
64											Off	No									
52											On	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
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0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
75											On	No									
88											Off	No									
46											Off	No									
47											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									
0											Off	No									

8.2 Alarm History Summary Report

Generate a report of all alarms from selected vehicles that have occurred for a selected period. This report shows if alarms have been acknowledged on the web site and by whom and when. This report is restricted to 20 vehicles and a duration of 32 days.

Alarm History Summary Report

Reefer Alarm Summary Report for period 10/03/2014 9:56:00 AM to 10/10/2014 11:59:00 PM

Preferences

Temperature Type: Celsius | Time Zone: Brasilia Time | Speed Type: MPH

Abbreviations

R Severity Red (High)
 Y Severity Yellow (Medium)
 G Severity Green (Low)

Filter: Show / hide columns

Vehicle Name	Alarm Type	Severity	Zone	Pre-Trip	#	First Logged	Last Logged	Position	Ack. By	Ack. Date/Time
AMG Test Vehicle 0	2 Check Evaporator Coil Sensor	R			1	10/06/2014 9:05:05 AM	10/06/2014 9:05:05 AM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 0	3 Check Return Air Sensor	R			1	10/06/2014 9:05:55 AM	10/06/2014 9:05:55 AM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 0	7 Check Engine RPM Sensor	R			3	10/06/2014 12:45:42 PM	10/06/2014 12:56:10 PM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 0	8 Unit Running on Coil Sensor	R			3	10/06/2014 12:45:42 PM	10/06/2014 12:56:10 PM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 0	9005 Temperature out of range	R			2	10/10/2014 9:53:25 AM	10/10/2014 9:54:17 AM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 1	1 Microprocessor Power Up Reset	R			1	10/10/2014 6:21:56 AM	10/10/2014 6:21:56 AM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 1	17 Engine Failed to Crank	R		Yes	1	10/10/2014 6:21:56 AM	10/10/2014 6:21:56 AM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 1	6 Check Coolant Temp Sensor	Y	1		1	10/10/2014 6:21:56 AM	10/10/2014 6:21:56 AM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 1	6 Check Coolant Temp Sensor	G	2		1	10/10/2014 6:21:56 AM	10/10/2014 6:21:56 AM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 1	21 Cooling Cycle Check	G			1	10/10/2014 6:21:56 AM	10/10/2014 6:21:56 AM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 3	7 Check Engine RPM Sensor	Y			1	10/06/2014 9:20:19 AM	10/06/2014 9:20:19 AM	0.38 miles West of Vet Clinic, IRL		
AMG Test Vehicle 3	8 Unit Running on Coil Sensor	Y			1	10/06/2014 9:20:19 AM	10/06/2014 9:20:19 AM	0.38 miles West of Vet Clinic, IRL		

12 items found, displaying all items.
 Export options: Excel | PDF | RTF | Print

8.3 Command History Report

Generate a report of the status of all requests sent to the selected vehicles during the selected time period. This report displays a status of a variety of request types including:

- Get Data
- Optiset™ Send Remotely
- Optiset™ Set Named Profile
- Optiset™ Set Numeric Profile
- Software Updates
- Two Way Clear Alarms
- Two Way Continuous
- Two Way Cycle Sentry
- Two Way Defrost Zone
- Two Way Pre Trip
- Two Way Remote On/Off
- Send Geofence Configuration

This report is restricted to 50 vehicles and duration of 32 days.

Command History Report										
Unit Requests for period 09/04/2014 8:16:00 AM to 09/11/2014 11:59:00 PM										
Preferences										
Temperature Type: Celsius Time Zone: Central Standard Time Speed Type: KPH										
								Filter:	<input type="text"/>	Show / hide columns
Vehicle Name	Command	Communication Type	User	Command Details	Requested	Status	Received	Original State	Description	
REB_Ed_SR3_2	Get Data	SMS	FlahiveEd@celtrak.com		09/05/2014 8:08:53 AM	Success	09/05/2014 8:09:04 AM	On		
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 7:39:59 AM	Success	09/08/2014 7:44:27 AM	On	Pre-Trip passed.	
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 7:47:53 AM	Failed	09/08/2014 7:48:07 AM	On	Controller is in Sleep Mode.	
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 7:50:46 AM	Success	09/08/2014 7:58:35 AM	On	Pre-Trip passed.	
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 7:59:27 AM	Failed	09/08/2014 7:59:47 AM	On	Controller is in Sleep Mode.	
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 8:01:42 AM	Success	09/08/2014 8:05:34 AM	On	Pre-Trip passed.	
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 8:07:34 AM	Failed	09/08/2014 8:07:57 AM	On	Previous Pre-Trip in progress.	
REB_Ed_SR3_2	Two Way Pre Trip	SMS	FlahiveEd@celtrak.com		09/08/2014 8:13:28 AM	Failed	09/08/2014 8:13:47 AM	Countdown	Controller is Off.	

8.4 Controller Temperature History Report

This report shows Thermo King Controller data for the selected vehicles and the selected period. Note that Cargo Watch and DAS sensor data is not shown on this report. This report is restricted to 20 vehicles and duration of 32 days.

Controller Temperature History Report



Controller Temperature History Report for period 17/11/2008 09:41 to 18/11/2008 09:41

Preferences

Temperature Type: Fahrenheit | Time Zone: Central Standard Time | Speed Type: KPH

Date & Time	Vehicle Name	Position	Unit Mode	SP1	DA 1	RA 1	OP 1	SP2	DA 2	RA 2	OP 2	SP3	RA 3	OP 3	Unit Power
17/11/2008 09:51:28	GPRSSR2-HMI	1.05 km East of Bloomington, Minnesota, USA	CS	80	51.1	58.3	High Heat	44	41.3	44.9	High Cool	47	48.1	High Cool	
17/11/2008 09:56:43	GPRSSR2-HMI	1.05 km East of Bloomington, Minnesota, USA	CS	80	51.2	58.2	High Heat	44	41.3	44.9	High Cool	47	48.1	High Cool	
17/11/2008 10:03:56	GPRSSR2-HMI	1.06 km East of Bloomington, Minnesota, USA	CS	80	51.2	58.1		44	41.3	44.9	High Cool	47	48.1	High Cool	
17/11/2008 10:06:37	GPRSSR2-HMI	1.06 km East of Bloomington, Minnesota, USA	CS	80	51.2	58.1		44	41.3	44.9	High Cool	47	48.1	High Cool	
17/11/2008 10:15:12	GPRSSR2-HMI	1.06 km East of Bloomington, Minnesota, USA	CS	80	51.4	58.0	High Heat	50	41.3	44.9	High Heat	47	48.1	High Cool	
17/11/2008 10:15:26	GPRSSR2-HMI	1.06 km East of Bloomington, Minnesota, USA	CS	80	51.4	58.0	High Heat	50	41.3	44.9	High Heat	47	48.1	High Cool	

8.5 Current Fleet Report

This report shows the status of every vehicle on the saved Tracking list for the current time. The user does not have an option of selecting a time period for this report. This is available as a “one click” report from the Tracking screen.

Current Fleet Report



Current Fleet Report

Preferences

Temperature Type: Fahrenheit | Time Zone: Greenwich Mean Time | Speed Type: KPH | Fuel Unit: Litres

Date & Time	Vehicle Name	Position	Speed	Door Lock	SP1	RA 1	SP2	RA 2	S1	S2	S3	S4	Unit Power	Unit Mode	Unit Alarm	Door 1	Engine Hours	Fuel Level	Battery Voltage
07/02/2014 16:35:12	REB Joe +353860407137	Bothar Na Dtreabh (N6), At Celtrak, IRL	1		39	36.3			33.6	39.9	38.1	28.1	On	CS	Yes	O	1089	900	13.03
07/02/2014 17:12:59	REB Joe +353864614031	Bothar Na Dtreabh (N6), At Celtrak, IRL	0										Off		Yes				

2 items found, displaying all items.

Export options: Excel | PDF | RTF | Print

8.6 Data Logger Temperature History

This report shows Thermo King Data logger data for the selected vehicles and the selected period. Note that Cargo Watch, DAS, and TKDL sensor data is only shown on this report. This report also shows the power status of the controller. This report is restricted to 20 vehicles and duration of 32 days.

Data Logger Temperature History Report													
Data Logger Temperature History Report for period 17/11/2008 09:47 to 18/11/2008 09:47													
Preferences													
Temperature Type: Fahrenheit Time Zone: Central Standard Time Speed Type: KPH													
Vehicle Name	Date & Time	Position	SP1	SP2	SP3	S1	S2	S3	S4	S5	S6	Unit Power	Unit Alarm
GPRSSR2-HMI	17/11/08 09:51	1.05 km East of Bloomington, Minnesota, USA	80	44	47	8.4	15.7	27.2	85.8				No
GPRSSR2-HMI	17/11/08 09:56	1.05 km East of Bloomington, Minnesota, USA	80	44	47	8.4	15.7	27.2	85.8				No
GPRSSR2-HMI	17/11/08 10:03	1.06 km East of Bloomington, Minnesota, USA	80	44	47	8.4	15.7	27.2	85.8				Yes
GPRSSR2-HMI	17/11/08 10:06	1.06 km East of Bloomington, Minnesota, USA	80	44	47	8.4	15.7	27.2	85.8				Yes
GPRSSR2-HMI	17/11/08 10:15	1.06 km East of Bloomington, Minnesota, USA	80	50	47	8.4	15.7	27.2	85.9				No
GPRSSR2-HMI	17/11/08 10:15	1.06 km East of Bloomington, Minnesota, USA	80	50	47	8.4	15.7	27.2	85.9				No
GPRSSR2-HMI	17/11/08 10:18	1.05 km East of Bloomington, Minnesota, USA	80	50	47	8.4	15.7	27.2	85.8				No
GPRSSR2-HMI	17/11/08 10:19	1.06 km East of Bloomington, Minnesota, USA	80	50	47	8.4	15.7	27.2	85.8				No

8.7 Geo Fence Report

A new Detailed filter checkbox has been added to the Geofence Report:

Data Management

Select a standard report category

Geofence Report View entries to and exits from geofences by selected vehicles during the selected time period.

Maximum Selections : 50
Maximum Date Range : 32 days

Select a customized report category

Select A Report

Select Start & End Date

Start Date: 08/07/2014 12:24 📅 🕒

End Date: 08/08/2014 23:59 📅 🕒

Detailed

Exclude Saturday

Exclude Sunday

GENERATE REPORT

The Detailed checkbox determines whether suppressed entry and exits are displayed or not.

The Geo Fence report shows entry, exit and movement times for all Geo Fences associated with selected vehicles for the specified period of time. This report is restricted to 50 vehicles and duration of 32 days.

Geofence Report			
Geofence Report for period 09/04/14 8:39:00 AM to 09/11/14 11:59:00 PM			
Preferences			
Time Zone: Central Standard Time			
			Filter: <input type="text"/> Show / hide columns
Vehicle Name	Date & Time	Geofence	Description
AMG Test Vehicle 1	09/10/2014 4:08:01 AM	Celtrak	Entry
AMG Test Vehicle 1	09/10/2014 4:27:35 AM	Celtrak	Entry
AMG Test Vehicle 1	09/10/2014 4:29:19 AM	Celtrak	Exit - Time Deactivation
AMG Test Vehicle 1	09/10/2014 4:33:14 AM	Celtrak	Entry - Time Activation
AMG Test Vehicle 1	09/10/2014 4:36:31 AM	Celtrak	Entry - Tracking Unit Powered On
AMG Test Vehicle 1	09/10/2014 4:40:07 AM	Celtrak	Entry - Tracking Unit Reset
AMG Test Vehicle 1	09/10/2014 4:42:10 AM	Celtrak	Entry - Tracking Unit Reset
AMG Test Vehicle 1	09/10/2014 4:46:56 AM	Celtrak	Entry - Geofence Update
AMG Test Vehicle 1	09/10/2014 4:47:56 AM	Celtrak	Entry - Geofence Update
AMG Test Vehicle 1	09/10/2014 4:49:17 AM	Celtrak	Entry - GPS Position Established
AMG Test Vehicle 1	09/10/2014 4:50:08 AM	Celtrak	Entry - GPS Position Established
AMG Test Vehicle 1	09/10/2014 4:51:41 AM	Celtrak	Entry - Geofence Update
AMG Test Vehicle 1	09/10/2014 4:52:22 AM	Celtrak	Entry - Geofence Update
AMG Test Vehicle 1	09/10/2014 5:47:02 AM	Celtrak	Exit - Geofence Update
AMG Test Vehicle 1	09/10/2014 5:47:23 AM	Celtrak	Exit - Geofence Update
AMG Test Vehicle 1	09/10/2014 5:50:21 AM	Celtrak	Entry - GPS Position Established
AMG Test Vehicle 1	09/10/2014 5:53:18 AM	Celtrak	Entry - GPS Position Established
AMG Test Vehicle 1	09/10/2014 5:57:04 AM	Celtrak	Exit - GPS Position Lost
AMG Test Vehicle 1	09/10/2014 7:00:24 AM	Celtrak	Entry
AMG Test Vehicle 1	09/10/2014 7:00:53 AM	Celtrak	Exit
AMG Test Vehicle 1	09/10/2014 7:01:40 AM	Celtrak	Entry - Time Activation
AMG Test Vehicle 1	09/10/2014 7:01:54 AM	Celtrak	Exit - Time Deactivation

Vehicle Name

This is the name of the vehicle that entered or exited the Geofence.

Date & Time

This shows the date and time the vehicle reported as being in a Geofence.

Geofence

This is a description of the Geofence as specified when adding or editing a Geofence.

Description

The description column describes why a vehicle entered or exited a Geofence.

Description	Explanation of Geofence Event
Entry	Unit entered geofence
Exit	Unit exited geofence
Entry - GPS Position Established	Unit has regained GPS location
Exit - GPS Position Lost	Unit has lost ability to determine GPS location
Entry - Geofence Update	Units geofence assignment or boundaries of geofence has changed and just been uploaded
Exit - Geofence Update	Units geofence assignment or boundaries of geofence has changed and is exiting from geofence as this geofence may not be in next update
Entry - Tracking Unit Powered On	The unit was in conservative or full null and just been turned back on.
Exit - Tracking Unit Powered Off	Unit's power mode has changed from countdown to conservative, it currently does not track geofences in conservative
Entry - Time Activation	Unit is located in geofence for a period of time and the geofence has just become active.
Exit - Time Deactivation	Unit is located in geofence and the geofence has just become inactive.
Entry - Tracking Unit Reset	Unit has been reset
Exit - Tracking Unit Reset	Unit has been reset

8.8 Geo fence Activity by Geo fence Report

This report allows the user to select specific Geo-Fences and vehicles to determine the activity on these Geo-Fences. This report contains far more details regarding the entry and exit to/from geofences and therefore, may differ slightly to the Geofence Report, which only captures summarised data. This report is restricted to 32 days.

Select a standard report category

Geofence Activity By Geofence Report View all entries to and exits from selected geofences during the selected time period.
Maximum Selections : Not Applicable
Maximum Date Range : 32 days

Select a customized report category

Select A Report

Select Start & End Date

Start Date: 18/06/2013 11:5

End Date: 19/06/2013 23:5

Exclude Saturday

Exclude Sunday

Geofence Activity By Geofence Report ✕

Geofence Activity By Geofence Report for period 09/15/14 11:38:00 AM to 09/22/14 11:59:00 PM

Preferences

Time Zone: Greenwich Mean Time

Filter:

Geofence	Vehicle Name	Entry Date	Exit Date	Duration in Geofence
Galway	REB CRYO 1	09/14/2014 1:02:15 PM	09/16/2014 8:10:34 AM	43:08:19
Galway	REB CRYO 1	09/16/2014 8:11:35 AM	09/19/2014 3:25:57 PM	79:14:22
Galway	REB CRYO 1	09/19/2014 3:26:58 PM		
Galway	WebServicesTest	09/17/2014 4:21:49 PM	09/17/2014 4:22:00 PM	00:00:11
Galway	WebServicesTest	09/17/2014 4:25:01 PM	09/17/2014 4:25:37 PM	00:00:36
Galway	WebServicesTest	09/17/2014 4:25:47 PM	09/17/2014 4:28:52 PM	00:03:05
Galway	WebServicesTest	09/17/2014 4:29:41 PM	09/17/2014 4:46:38 PM	00:16:57
Galway	WebServicesTest	09/17/2014 4:47:13 PM	09/19/2014 2:46:35 PM	45:59:22
Galway	WebServicesTest	09/19/2014 2:46:48 PM	09/19/2014 2:47:09 PM	00:00:21
Galway	WebServicesTest	09/19/2014 2:47:32 PM	09/19/2014 2:48:09 PM	00:00:37
Galway	WebServicesTest	09/19/2014 2:48:51 PM	09/19/2014 2:49:01 PM	00:00:10

Geofence

This is a description of the Geofence as specified when adding or editing a Geofence.

Vehicle Name

This is the name of the vehicle that entered or exited the Geofence.

Entry Date

This shows the date and time the vehicle entered the Geofence.

Exit Date

This shows the date and time the vehicle exited the Geofence.

Duration in Geofence

This describes how long a vehicle stayed in the Geofence using the registration and deregistration from the vehicle.

8.9 Operations History Report

This report shows the operations data for the selected vehicles and the selected period. This report is restricted to 20 vehicles and duration of 32 days.

Operations History Report							
Operations History Report for period 17/11/2008 09:47 to 18/11/2008 09:47							
Preferences							
Temperature Type: Fahrenheit Time Zone: Central Standard Time Speed Type: KPH							
Vehicle Name	Date & Time	Position	Engine Hours	Electric Hours	Total Hours	Fuel Level	Battery Voltage
GPRSSR2-HMI	17/11/2008 09:51:28	1.05 km East of Bloomington, Minnesota, USA	695	10	706		12
GPRSSR2-HMI	17/11/2008 09:56:43	1.05 km East of Bloomington, Minnesota, USA	695	10	706		12
GPRSSR2-HMI	17/11/2008 10:03:56	1.06 km East of Bloomington, Minnesota, USA	696	10	706		13
GPRSSR2-HMI	17/11/2008 10:06:37	1.06 km East of Bloomington, Minnesota, USA	696	10	706		13
GPRSSR2-HMI	17/11/2008 10:15:12	1.06 km East of Bloomington, Minnesota, USA	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:15:26	1.06 km East of Bloomington, Minnesota, USA	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:18:23	1.05 km East of Bloomington, Minnesota, USA	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:19:18	1.06 km East of Bloomington, Minnesota, USA	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:21:49	1.06 km East of Bloomington, Minnesota, USA	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:36:56	1.06 km East of Bloomington, Minnesota, USA	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:39:59	1.06 km East of Bloomington, Minnesota, USA	696	10	706		12
GPRSSR2-HMI	17/11/2008 10:47:27	1.05 km East of Bloomington, Minnesota, USA	696	10	707		12

8.10 Preventative Maintenance Compliance Report

Note: This feature is only available for customers in USA whose dealer has signed up for Preventative Maintenance compliance. The reports are available to all users in the reports dropdown list. However, data is only present in the report if a Preventative Maintenance service has been logged against the selected vehicles.

The customer shall get information about pending or overdue maintenance through the Preventative Maintenance Compliance Report on the TKTracKing website. This report is fleet wide and consists of one row per vehicle. It provides information regarding whether a given vehicle is overdue for a Preventative Maintenance, when the next Preventative Maintenance is due and when the last Preventative Maintenance was performed. If no Preventative Maintenance of a particular type has been carried out on a vehicle, the Preventative Maintenance compliance report shall state the Preventative Maintenance type values as blanks.

- Customer shall log onto TracKing
- Customer shall navigate to Reports page by clicking on Data Management.
- Customer shall select Preventative Maintenance Compliance Report from the report dropdown.
- Preventative Maintenance Compliance Report loads. See figure below.

Preventative Maintenance Compliance Report

Customers Unit Preventative Maintenance Compliance

Preferences

Temperature Type: Fahrenheit | Time Zone: Central Standard Time | Speed Type: MPH

Vehicle Name	Current Location	PM Type A Status	PM Type B Status	Last PM A	Next PM A Due Date	Last PM B	Next PM B Due Date	Port A Device ID	Port A Version	Port B Device ID	Port B Version
611011		Past Due	Past Due	04-Sep-2012	02-Jan-2013	31-Jan-2012	30-Jan-2013	SR2 Trailer	B055	HMI	6560
611049		Satisfied	Satisfied	28-Feb-2013	28-Jun-2013	14-Jan-2013	14-Jan-2014	SR2 Trailer	B055	HMI	6560

2 items found, displaying all items.

Export options: Excel | PDF | RTF | Print

- The Preventative Maintenance Compliance Report is schedulable.
- To schedule this report, Customer shall navigate to Scheduled Reports page by clicking on Administration Scheduled Reports.
- The Customer shall select Preventative Maintenance Compliance Report from the report dropdown.

8.11 Preventative Maintenance History Report

Note: This feature is only available for customers in USA whose dealer has signed up for Preventative Maintenance compliance. The reports are available to all users in the reports dropdown list. However, data is only present in the report if a Preventative Maintenance service has been logged against the selected vehicles.

The customer shall get information about completed maintenance through the Preventative Maintenance History Report. This report provides maintenance history of the vehicles and contains one row per each Preventative Maintenance performed on each vehicle. Only active vehicles shall be displayed in Preventative Maintenance History Report.

The customer can generate this report for a given set of up to 20 vehicle(s) with the ability to go back at least 2 years (731 days --> 2 years and one day). The customer can pick the start and finish dates from a calendar control.

- Customer shall log onto TracKing
- Customer shall navigate to Reports page by clicking on Data Management.
- Customer shall select a maximum of 20 vehicles.
- Customer shall select Preventative Maintenance History Report from the report dropdown.
- Customer shall select start and end dates.
- Preventative Maintenance History Report loads.

Preventative Maintenance History Report

Unit Preventative Maintenance History for period 07/08/2012 to 04/03/2013

Preferences

Temperature Type: Fahrenheit | Time Zone: Central Standard Time | Speed Type: MPH

Vehicle Name	Performed	Type A	Days Since Previous	Type B	Days Since Previous	Dealer	Technician	Comments	Created	User	Location
611011	04-Sep-2012	Yes				TK US - Tk Philadelphia	Jack	Battery swap	01-Mar-2013	gayatri@dealer.philadelphia.pa	Philadelphia, pa
611049	28-Feb-2013	Yes	45			TK US - Tk Philadelphia	Ed	change belt	01-Mar-2013	gayatri@dealer.philadelphia.pa	Philadelphia, pa
611049	14-Jan-2013	Yes	14	Yes	365	TK US - Tk Philadelphia	Gaya	All is well	01-Mar-2013	gayatri@dealer.philadelphia.pa	Philadelphia, pa
611049	31-Dec-2012	Yes				TK US - Tk Philadelphia	Ed	change oil	01-Mar-2013	gayatri@dealer.philadelphia.pa	Philadelphia, pa

4 items found, displaying all items.

Export options: Excel | PDF | RTF | Print

- The Preventative Maintenance History Report is schedulable.
- To schedule this report, Customer shall navigate to Scheduled Reports page by clicking on Administration Scheduled Reports.
- The Customer shall select Preventative Maintenance History Report from the report dropdown.

8.12 Reefer Position History Report

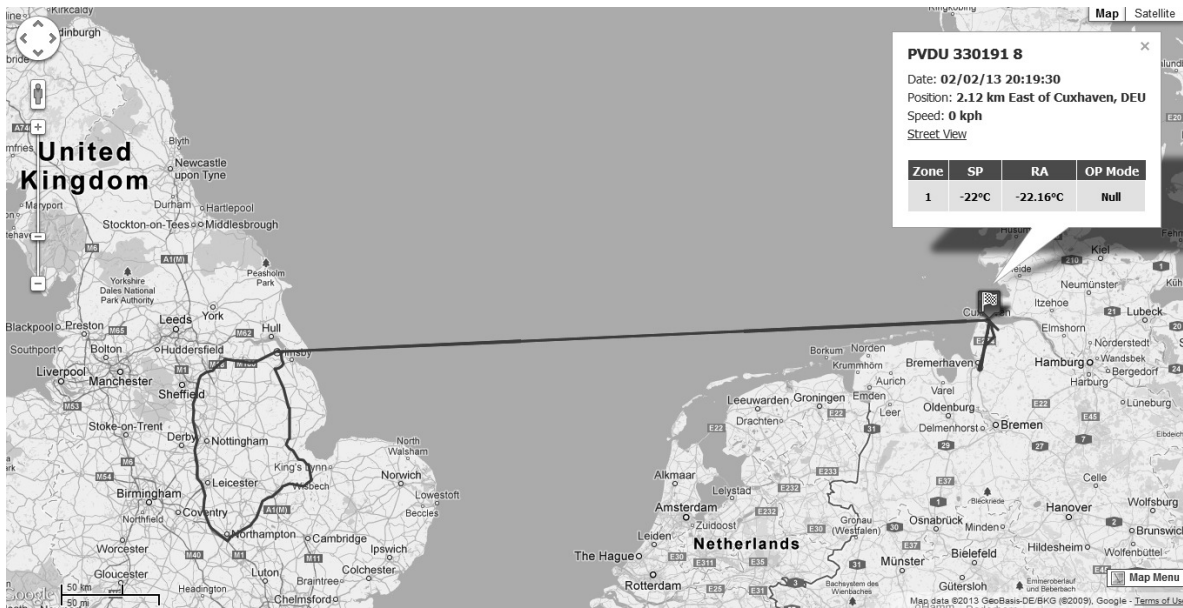
This report shows positional information for the selected vehicles and the selected period. Note the option to “Replay this vehicle” is available on this report by clicking on this text at the start of the report. This report is restricted to 20 vehicles and duration of 32 days.

Position History Report				
Position History Report for period 25/01/2013 12:27 to 20/02/2013 23:59				
Preferences				
Temperature Type: Celsius Time Zone: Greenwich Mean Time Speed Type: KPH				
Vehicle Name	Date & Time	Position	Mileage	Speed
PVDU 330191 Replay this Vehicle	25/01/2013 13:11:21	2.04 km East of Cuxhaven, DEU	48250	0
	25/01/2013 14:12:49	2.03 km East of Cuxhaven, DEU	48250	0
	25/01/2013 15:14:14	2.04 km East of Cuxhaven, DEU	48250	0
	25/01/2013 15:44:20	3.06 km South East of Cuxhaven, DEU	48251	0
	25/01/2013 15:52:26	6.00 km South East of Cuxhaven, DEU	48254	68
	25/01/2013 15:52:58	6.02 km South East of Cuxhaven, DEU	48255	68
	25/01/2013 15:58:25	8.88 km South East of Cuxhaven, DEU	48258	43
	25/01/2013 16:14:29	16.04 km South East of Cuxhaven, DEU	48270	39
	25/01/2013 16:14:52	16.00 km South East of Cuxhaven, DEU	48270	35
	25/01/2013 16:16:28	15.52 km South East of Cuxhaven, DEU	48271	27
	25/01/2013 16:32:06	15.05 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 17:33:56	15.05 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 18:34:43	15.06 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 19:35:30	15.05 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 20:36:16	15.05 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 21:37:02	15.05 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 22:38:00	15.06 km South East of Cuxhaven, DEU	48272	0
	25/01/2013 23:39:28	15.05 km South East of Cuxhaven, DEU	48272	0
	26/01/2013 00:40:56	15.05 km South East of Cuxhaven, DEU	48272	0
	26/01/2013 01:42:25	15.05 km South East of Cuxhaven, DEU	48272	0
26/01/2013 02:43:53	15.05 km South East of Cuxhaven, DEU	48272	0	
26/01/2013 03:45:22	15.05 km South East of Cuxhaven, DEU	48272	0	
26/01/2013 04:46:49	15.05 km South East of Cuxhaven, DEU	48272	0	

When you click on the “Replay this vehicle” option, a map will show up the journey for the selected period. The journey the vehicle took is replayed in stages on the map showing the start and end location.



In this case the vehicle returned to the original starting location.



8.13 Reefer Utilisation Report

The Reefer Utilisation Report shows the Reefer On duration and the Reefer Off duration for the selected period. This report is restricted to 100 vehicles and duration of 120 days.

Reefer Utilisation Report

Reefer Utilisation Report for period 01/10/2010 to 31/10/2010

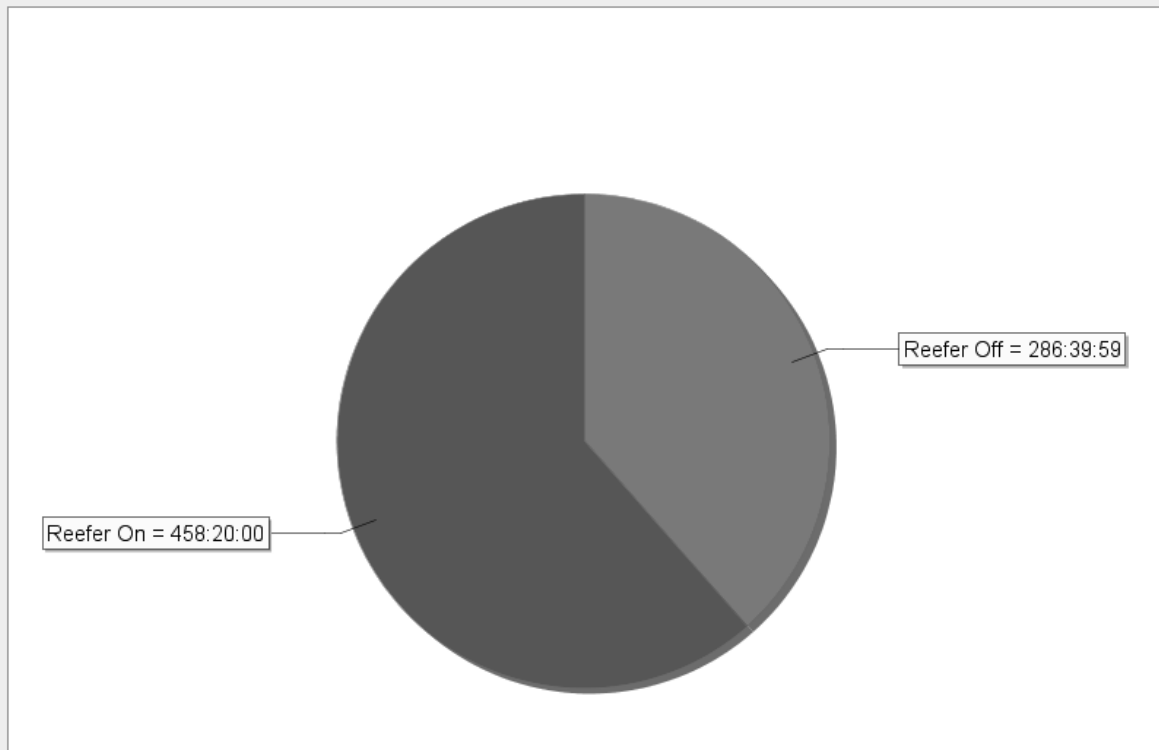
Vehicle Name	Reefer On Duration	Reefer Off Duration	% Reefer On Duration
25A	381:40:21	363:19:38	51
26	458:20:00	286:39:59	61
265	365:41:59	379:18:00	49
33	473:11:56	271:48:03	63
34	292:39:49	452:20:10	39
35	116:31:01	628:28:58	15

6 items found, displaying all items.
Export options: [Excel](#) | [PDF](#) | [RTF](#) | [Print](#)

By clicking on the icon on the report you can open a pie chart display of the On/Off times.

Reefer Utilisation Chart

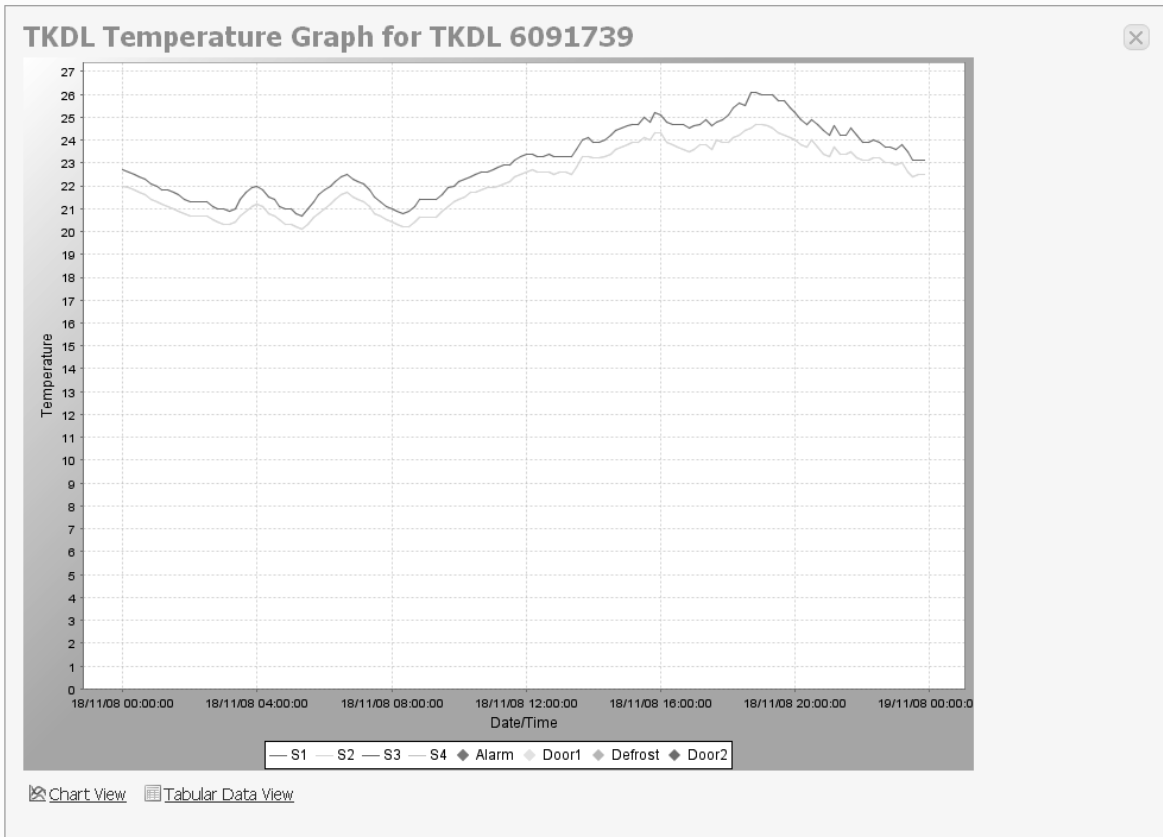
For period 01/10/2010 to 31/10/2010



8.14 TKDL Temperature Graph

This Graph plots the Thermo King TKDL data logger data for the selected vehicle (only one vehicle at a time is possible) and the selected period. Note this report is used to display the TKDL data that has been downloaded from the Data logger. There is no need to separately download this TKDL device.

This report is restricted to 1 vehicle and duration of 32 days.



8.15 Temperature Chart

This Graph plots the Thermo King DAS data logger data and Controller data for the selected vehicle (only one vehicle at a time is possible) and the selected period. This is the periodic data as transmitted by TracKing. This report is restricted to 1 vehicle and duration of 8 days.

Select the specific sensors you want to display.

Temperature Data

Select All

Independent Sensor 1

Independent Sensor 2

Independent Sensor 3

Independent Sensor 4

Independent Sensor 5

Independent Sensor 6

Set Points

Alarms

Power

Discharge Air Sensors

Return Air Sensors

GENERATE REPORT

Temperature Chart for Razor 3

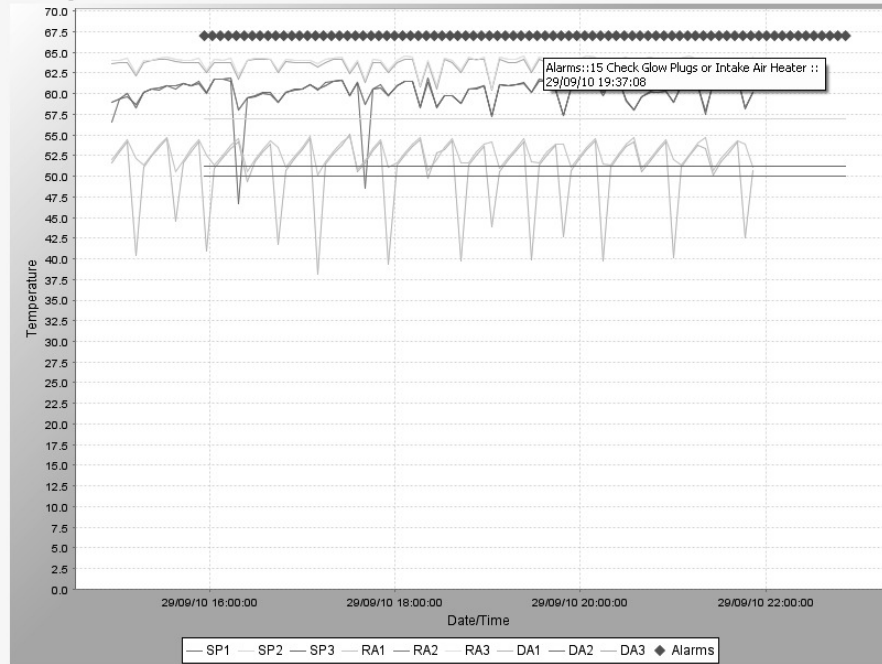


Chart View Tabular Data View