

TRACK & TRACE V4

MANUAL



T&T version 4.25.0

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Table of content

1	INTRODUCTION	4
2	PREREQUISITES	4
3	AVAILABLE REPORTS	4
4	DEFINITIONS	4
5	LOGIN	5
6	HOME PAGE	6
7	CONFIGURATION	6
7.1.	Configuration.....	7
7.2.	RSS configuration and pop-up notifier.....	7
7.3.	Documentation.....	8
7.4.	Version.....	8
8	ADMINISTRATION	9
8.1.	Users.....	9
8.2.	Devices & Groups.....	11
8.3.	Points of Interest (POI).....	17
8.4.	Geofencing Zone.....	18
8.5.	Corridorfencing Zone.....	21
8.6.	Alert rules.....	22
8.7.	Remote access.....	26
8.8.	Mobile List - only for the 'Mobile Framework'.....	27
8.9.	Pre-saved messages - only for the 'Mobile Framework'.....	28
8.10.	ENTITY Management.....	29
9	DISPATCHING	33
9.1.	Visualization of alerts.....	33
9.2.	Map.....	35

9.3.	Messenger – only for mobile framework	40
9.4.	Planning / device – only for mobile framework	42
9.5.	Global Planning overview – only for mobile framework	45
10	REPORTING	46
10.1.	Positions of a device	47
10.2.	Stops of a device / DRIVER	49
10.3.	Report on the Speed Excess	50
10.4.	Report on the application events	51
10.5.	Trip overview	52
10.6.	Activity of the week	55
10.7.	Traveled distance	56
10.8.	Fleet (ALL or group of devices)	56
10.9.	Neighbourhood of P.O.I.	57
10.10.	Temperature (only for telematics configuration)	58
10.11.	Login	59
10.12.	Messages (only for mobile framework)	59
10.13.	Pictures (only for mobile framework)	60
10.14.	Reporting usage	61
11	CUSTOM MENU	62
12	F.A.Q	62
12.1.	You want to verify which vehicles or drivers came close to one of your clients?	62
12.2.	You want to know how long on average your driver stayed at a client?	63
12.3.	You want to find out which vehicle had an accident on 20 th of November 2012 at 16h00 in the rue Colonel Bourg, 1140 Brussel?	63
12.4.	You want to be sure that all your vehicles have returned to your parking every Friday evening at 20h00?	63
12.5.	Your client wants to follow an important transportation and wants to be notified a bit before the delivery?	64

1 Introduction

The images of the screens in this manual are in English. You can change your interface to the language of your choice.

2 Prerequisites

The Track&Trace is a 'web-based' interface which needs a computer with an internet connection on which the following components are installed:

- Internet Explorer 10+ or Firefox 19+ or Chrome 25+ or Safari 6+.
- Adobe Flash Player : www.adobe.com
- Bandwidth of 500kb/s par session

3 Available reports





Depending upon your project set-up and type of devices that are installed, you might or not have all the hereunder described reports available, or just part of it.


If you don't have access to one of these and you want to activate it, please get in touch with your project manager or send a mail to support@ubidata.com

4 Definitions

Certain terms used in this document have a specific meaning in the context of the Track&Trace interface.

- **GPS Status**: The statuses are common to all projects and are related to the GPS devices installed in the vehicles, whether it is a telematic or a mobile device. These statuses are represented on the map by a colored triangle and there are four possible values:

	STOPPED : the vehicle is stopped,
	DRIVING : the vehicle is moving,
	NO GPS: the device communicates with the server, but does not receive a GPS signal.
	OFFLINE: the device does not communicate with the server.

- **APPLICATION Status**: The statuses are specific to each project and are represented on the map by a colored circle .

An APPLICATION status can be defined for both, the mobile and the telematics device. Current APPLICATION status represents the last status which has been reported by the

device. The reception of an APPLICATION status overwrites the last one, even if it represents another type of event.

For a mobile device, the following statuses are possible, for example:

- DRIVING TO LOAD
- DRIVING TO QG
- LOADING
- LOADING QG
- WAITING
- TANKING UP
- RESTING
- ...

There is a specific APPLICATION STATUS called « UNDEFINED JOB ». To be able to monitor the work of a DRIVER, one should always know what he is doing. There is a check in the application which raise a question on the mobile device when no task has been chosen for a longer period (by default, 5 min), and also if the chosen task is not concurring with the GPS status (e.g. when the DRIVER says he is RESTING and GPS tells that he is DRIVING).

For a telematics device, one can have:

- DOOR OPEN (in case there is a door contact)
- COOLING ON (in case there is a cooling system)

- **Application EVENT:** The application EVENT is a specific situation which is critical for you. The application EVENTS are therefore unique to each project.

An application EVENT can be a single APPLICATION STATUS, or a more complex addition of facts.

For example, we can define as EVENT:

- Main door OPEN when COOLING is ON
- A DOOR is OPEN outside a GEOFENCING ZONE
- A DOOR is OPEN while DRIVING
- I am driving to HQ with LOAD capacity >50%
- ...

5 Login

Open your browser and go to:

<http://live.ubidata.com>

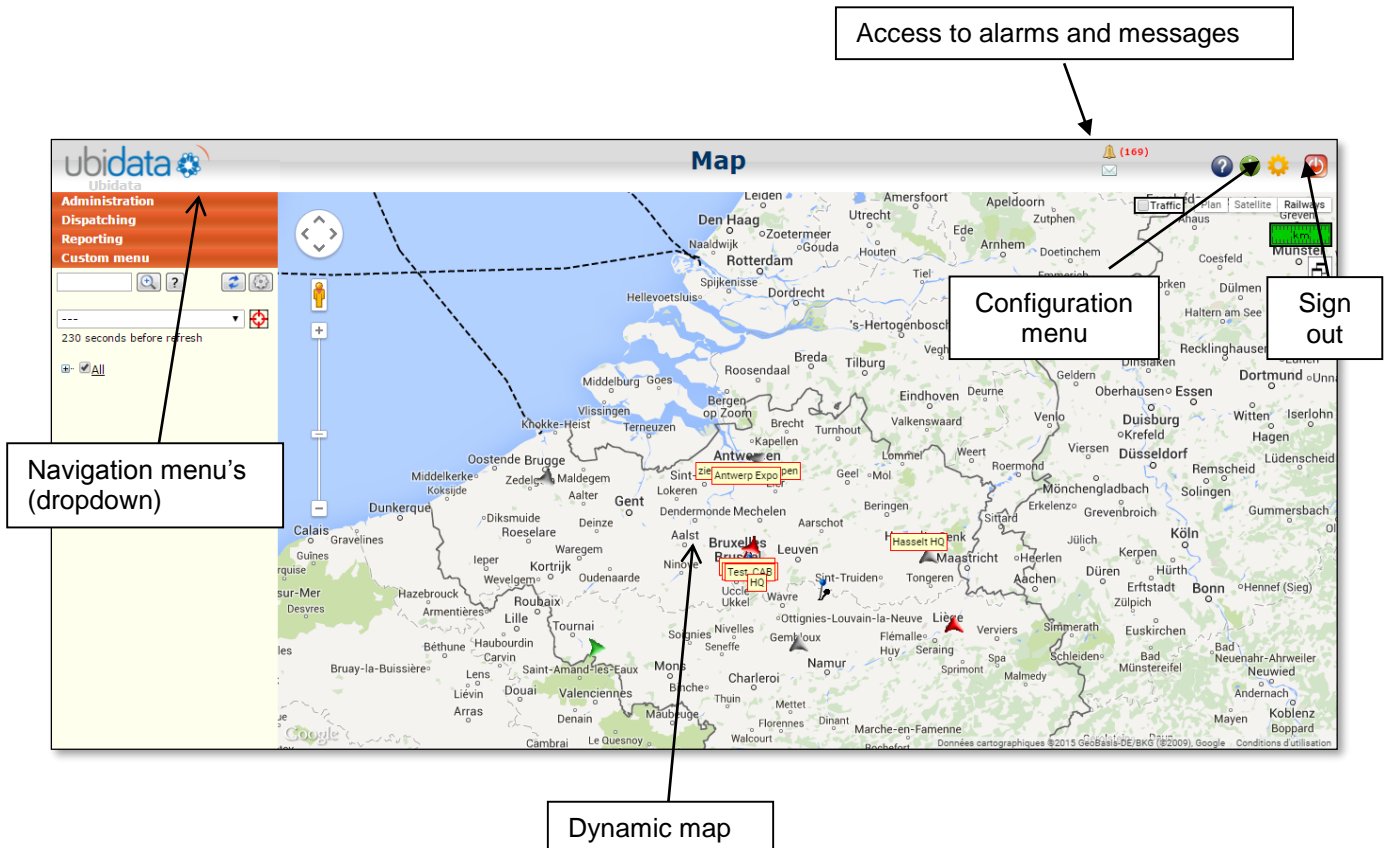
Enter your *Username* and *password* and click on *Login*.



6 Home page

After logging in, the home page of the Track&Trace appears.

The default page that opens is the Dispatching/ Map in such a way that your whole fleet is visible.



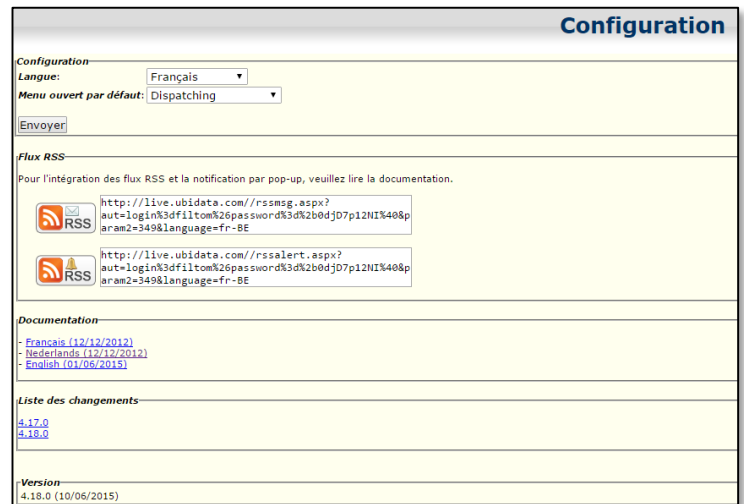
7 Configuration

Access to the configuration menu (top right)



You can configure your interface:

- Language of the menu's
- Menu that is open by default
- RSS-messages and alerts
- « Track And Trace » documentation
- Version and date of last update



The screenshot shows the 'Configuration' page with the following sections:

- Configuration:**
 - Langue: Français (dropdown menu)
 - Menu ouvert par défaut: Dispatching (dropdown menu)
 - Envoyer button
- Flux RSS:**
 - Text: Pour l'intégration des flux RSS et la notification par pop-up, veuillez lire la documentation.
 - Two RSS feed links are listed:
 - http://live.ubidata.com/rssmsg.aspx?aut=login%3dfiltom%26password%3d%260d07p12NI%40&aram2=349&language=fr-BE
 - http://live.ubidata.com/rssalert.aspx?aut=login%3dfiltom%26password%3d%260d07p12NI%40&aram2=349&language=fr-BE
- Documentation:**
 - Links to documentation for Français (12/12/2012), Nederlands (12/12/2012), and English (01/06/2015).
- Liste des changements:**
 - Links to version 4.17.0 and 4.18.0.
- Version:**
 - 4.18.0 (10/06/2015)

7.1. Configuration

Choose your default language and the default page on which the T&T should open when you login (by default, you are directed on the Dispatching/Map page).


7.2. RSS configuration and pop-up notifier

It is possible to add RSS-feeds to any reader, compatible with the RSS format. However, we recommend the reader « **Feed Notifier** » (<http://www.feednotifier.com>).

This software allows you to **show a pop-up when receiving a new message or alert.**

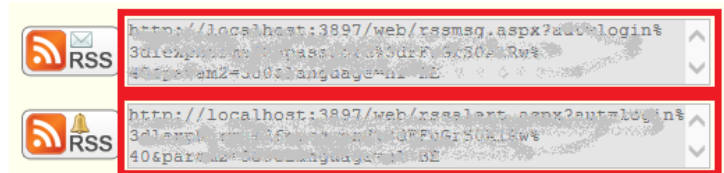
It is therefore possible to be notified of the reception of a message or alert even if the Track and Trace is not visible.

The **Feed Notifier** can be downloaded via <http://www.feednotifier.com/download/>. The installation is done by following the default procedure.

Once the software is installed and started, a new icon appears in the Windows taskbar . A RSS-feed is configured by default, but it is advised to delete this feed.

Then the feed(s) have to be added to the **Feed Notifier**. In order to do so, please follow the following procedure:

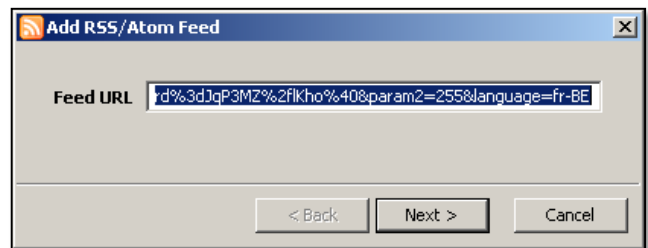
- 1°) From the configuration page, select in the textbox with the mouse the URL of the corresponding RSS feed. Then use CTRL+C to copy the URL to the clipboard.



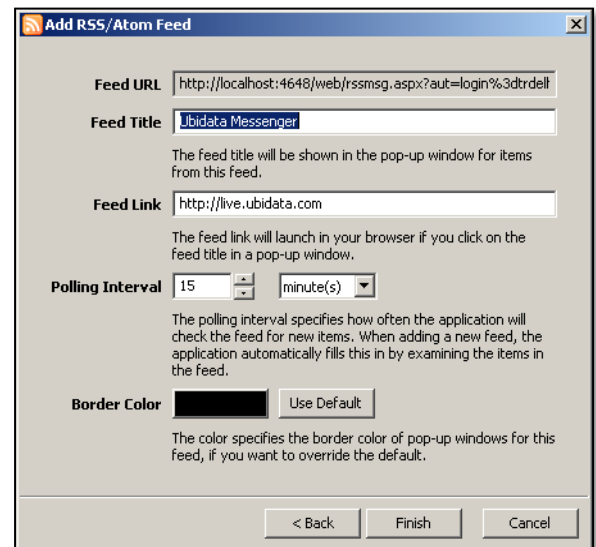
- 2°) Right-click on the icon in the Windows taskbar 

3°) Click « Add Feed ». A window opens, allowing you to encode the URL of the RSS-feed.

4°) The « Feed URL » field is already filled. If this is not the case, do a copy via CTRL-V in the field. Then click « Next ».



5°) The configuration window opens. At this stage, we advise that you only change the update frequency (Polling Interval) and set it to 1 minute.



6°) From now on, **Feed Notifier** will notify you via a pop-up of the reception of a message or an alert.

7.3. Documentation

You can download the full T&T manual in selected language

7.4. Version

You can find here the actual version and the latest changes brought to the Track and trace interface.

8 Administration

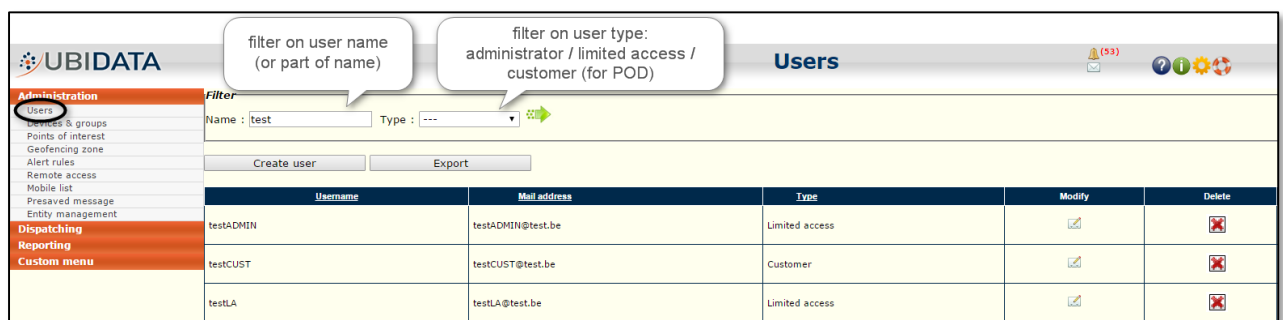
By clicking on 'Administration' on the left-hand side, a dropdown menu appears.

NB: depending on the installed telematics solutions, certain options are not applicable.

Administration	
Users	Creation and management of users
Devices & groups	Management of the devices and groups
Points of interest	Management of the 'Points of Interest' (POI)
Geofencing zone	Management of the geofencing zones
Alert rules	Management of the corridor fencing zones
Remote access	Creation of alert rules
Mobile list	Creation of a remote access
Presaved message	Management of the lists for the 'Mobile Framework'
Driver management	Presaved messages for Messenger
Vehicle management	Management of drivers / login codes for the 'Mobile Framework'
Dispatching	
Reporting	
Custom menu	

8.1. Users

This menu allows you to create and manage different users with different access levels.



The screenshot shows the 'Users' management page in the Ubidata system. It includes a sidebar with navigation options, a main content area with a search filter, and a table of users.

Filter on user name (or part of name): Name : test

Filter on user type: administrator / limited access / customer (for POD): Type : ---

Username	Mail address	Type	Modify	Delete
testADMIN	testADMIN@test.be	Limited access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
testCUST	testCUST@test.be	Customer	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
testLA	testLA@test.be	Limited access	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

You need to define a **username** and **password** for each user in order to enable the user to open the T&T interface.

You also need to enter his **email address** which will be used to export data from several reports, receive alert notifications... and finally define the type of information he is allowed to access.

There are 3 different type of users:

1. Administrator:

He gets access to all available reports, including the definition of users. There must be at least 1 administrator in your project.

User Details		
<input type="radio"/> Limited access <input checked="" type="radio"/> Administrator <input type="radio"/> Customer	Username <input type="text" value="testADMIN"/> Password <input type="text" value="testADMIN"/> Mail Address <input type="text" value="testADMIN@test.be"/>	
Standart Menu		
Administration <input checked="" type="checkbox"/> All <input checked="" type="checkbox"/> Devices & groups <input checked="" type="checkbox"/> Point of Interest <input checked="" type="checkbox"/> Geofencing zone <input checked="" type="checkbox"/> Alert rules <input checked="" type="checkbox"/> Remote access <input checked="" type="checkbox"/> Mobile list <input checked="" type="checkbox"/> Presaved message <input checked="" type="checkbox"/> Entity management	Dispatching <input checked="" type="checkbox"/> All <input checked="" type="checkbox"/> Alerts <input checked="" type="checkbox"/> Map <input checked="" type="checkbox"/> Messenger <input checked="" type="checkbox"/> Planning <input checked="" type="checkbox"/> Global planning overview	Reporting <input checked="" type="checkbox"/> All <input checked="" type="checkbox"/> Positions <input checked="" type="checkbox"/> Stops <input checked="" type="checkbox"/> Speed Excess <input checked="" type="checkbox"/> Activity week <input checked="" type="checkbox"/> Trip overview <input checked="" type="checkbox"/> Distance <input checked="" type="checkbox"/> Fleet <input checked="" type="checkbox"/> Poi <input checked="" type="checkbox"/> Login <input checked="" type="checkbox"/> Messages <input checked="" type="checkbox"/> Pictures <input checked="" type="checkbox"/> Look up over planning / device
Personalized user menu		
<input checked="" type="checkbox"/> All <input checked="" type="checkbox"/> POD		
<input type="button" value="Update"/> <input type="button" value="Reset"/> <input type="button" value="Cancel"/>		

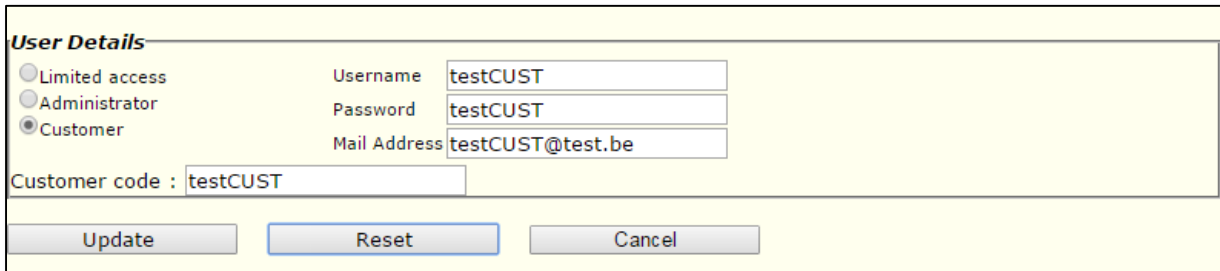
2. Limited access:

An administrator can define a user with restricted access to specific reports. The reports have been grouped by function to ease the choice:

User Details		
<input checked="" type="radio"/> Limited access <input type="radio"/> Administrator <input type="radio"/> Customer	Username <input type="text" value="testLA"/> Password <input type="text" value="testLA"/> Mail Address <input type="text" value="testLA@test.be"/>	
Standart Menu		
Administration <input type="checkbox"/> All <input type="checkbox"/> Devices & groups <input type="checkbox"/> Point of Interest <input type="checkbox"/> Geofencing zone <input type="checkbox"/> Alert rules <input type="checkbox"/> Remote access <input type="checkbox"/> Mobile list <input type="checkbox"/> Presaved message <input type="checkbox"/> Entity management	Dispatching <input checked="" type="checkbox"/> All <input checked="" type="checkbox"/> Alerts <input checked="" type="checkbox"/> Map <input checked="" type="checkbox"/> Messenger <input checked="" type="checkbox"/> Planning <input checked="" type="checkbox"/> Global planning overview	Reporting <input type="checkbox"/> All <input type="checkbox"/> Positions <input type="checkbox"/> Stops <input type="checkbox"/> Speed Excess <input type="checkbox"/> Activity week <input type="checkbox"/> Trip overview <input type="checkbox"/> Distance <input type="checkbox"/> Fleet <input type="checkbox"/> Poi <input type="checkbox"/> Login <input type="checkbox"/> Messages <input type="checkbox"/> Pictures <input type="checkbox"/> Look up over planning / device

3. Customer access (only for Mobile Framework):

If it is foreseen to grant access to POD report, you will have to create a specific user for each recipient:



User Details

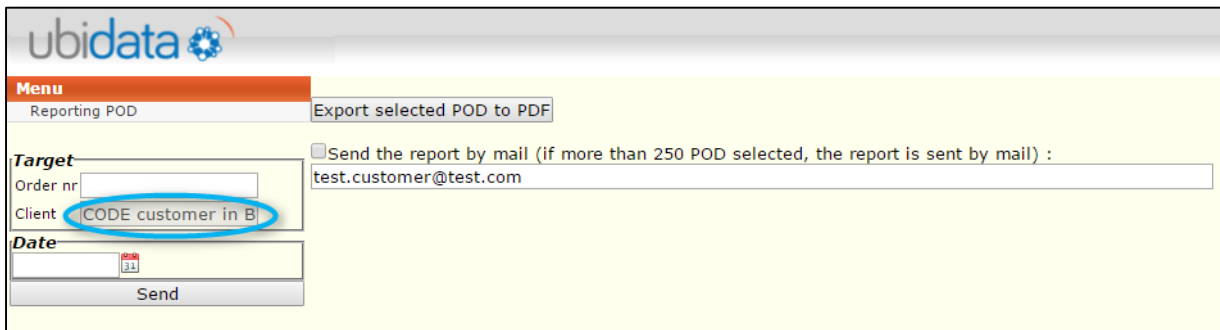
Limited access
 Administrator
 Customer

Username: testCUST
 Password: testCUST
 Mail Address: testCUST@test.be

Customer code : testCUST

Update Reset Cancel

The customer code is mandatory and MUST concur with the recipient name in your B.O. or planning tool. This insures the access is only granted to the related POD's and not those of other customers:



ubidata

Menu

Reporting POD Export selected POD to PDF

Send the report by mail (if more than 250 POD selected, the report is sent by mail) :

test.customer@test.com

Target

Order nr: []

Client: CODE customer in B

Date

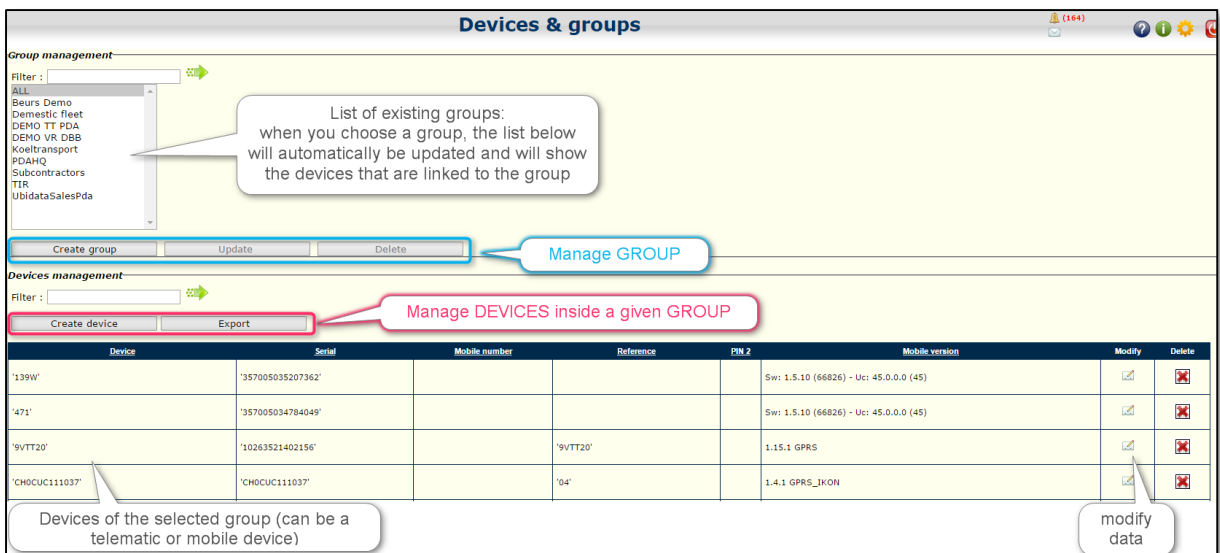
[]

Send

If you want to activate the access to POD report, please contact your project manager or send a request to support@ubidata.com

8.2. Devices & Groups

This menu allows you to create and manage the devices of your project:



Devices & groups

Group management

Filter: []

- ALL
- Beurs Demo
- Demestic fleet
- DEMO TT PDA
- DEMO VR DBB
- Koeltransport
- PDAHQ
- Subcontractors
- TIR
- UbidataSalesPda

List of existing groups: when you choose a group, the list below will automatically be updated and will show the devices that are linked to the group

Create group Update Delete **Manage GROUP**

Devices management

Filter: []

Create device Export **Manage DEVICES inside a given GROUP**

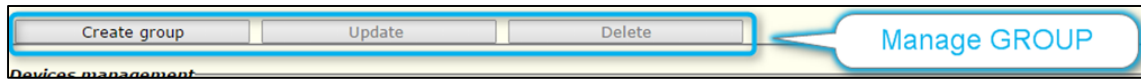
Device	Serial	Mobile number	Reference	PIN 2	Mobile version	Modify	Delete
'139W'	'357005035207362'				Sw: 1.5.10 (66826) - Uci: 45.0.0.0 (45)	[]	[X]
'471'	'357005034784049'				Sw: 1.5.10 (66826) - Uci: 45.0.0.0 (45)	[]	[X]
'9VTT20'	'10263521402156'		'9VTT20'		1.15.1 GPRS	[]	[X]
'CHOCUC111037'	'CHOCUC111037'		'04'		1.4.1 GPRS_JKON	[]	[X]

Devices of the selected group (can be a telematic or mobile device)

modify data

1. Manage GROUP's:

You can create a new group by clicking on “Create”, and modify the name of an existing group by pressing “Update”:



You can easily link 1 or more devices to a specific group.

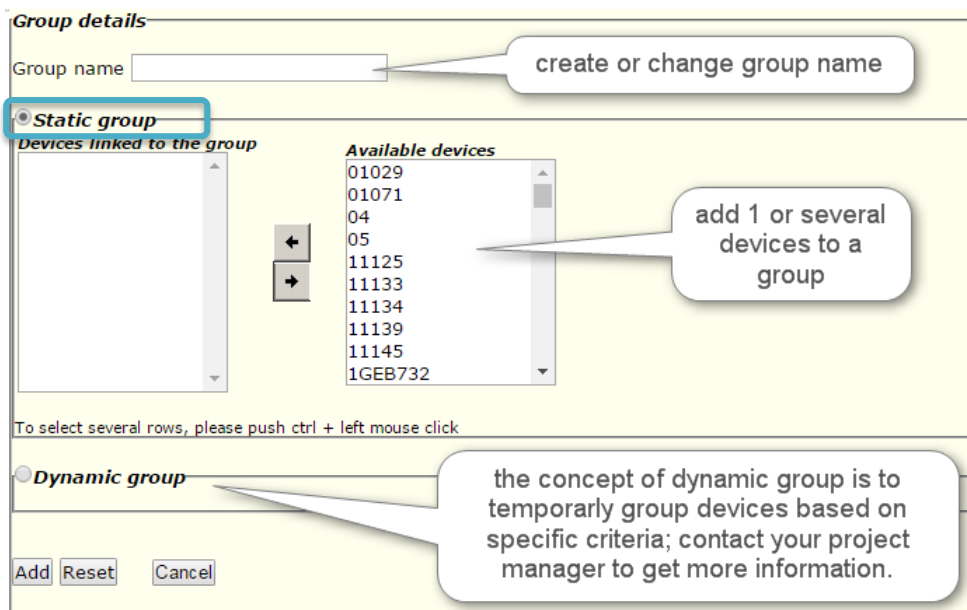
To delete an existing GROUP: you must first remove all the linked devices.

A dynamic group is not a standard feature. It enables to group devices temporarily based on specific criteria. If you are interested in such feature, please contact your project manager.

Static groups

You need to specify the name of the group (choose one that is representative of the characteristic of the devices).

Add then manually all the relevant devices to the group:



Dynamic groups

Dynamic group is a powerful tool that can mix different conditions in order to become pointed results.

We speak about ‘dynamic’ groups because its content will vary depending on the devices that will meet the conditions of the group.

You decide from choices described below which condition(s) triggers the belonging to a group.

More than 1 condition can be chosen:

STATUS:

- DRIVING / STOPPED / NO GPS / OFFLINE

Permits to isolate devices having troubles (OFFLINE), or which are currently on the way (DRIVING), or stopped somewhere (STOPPED)

Device type:

- PDA / DBB

In the case your project supports the 2 type of devices, you can decide to isolate only one type (useful in combination with other conditions)

Application event:

- If there are some application events build in your project, you can filter out on these

Contact your project manager in order to get help

Geofencing:

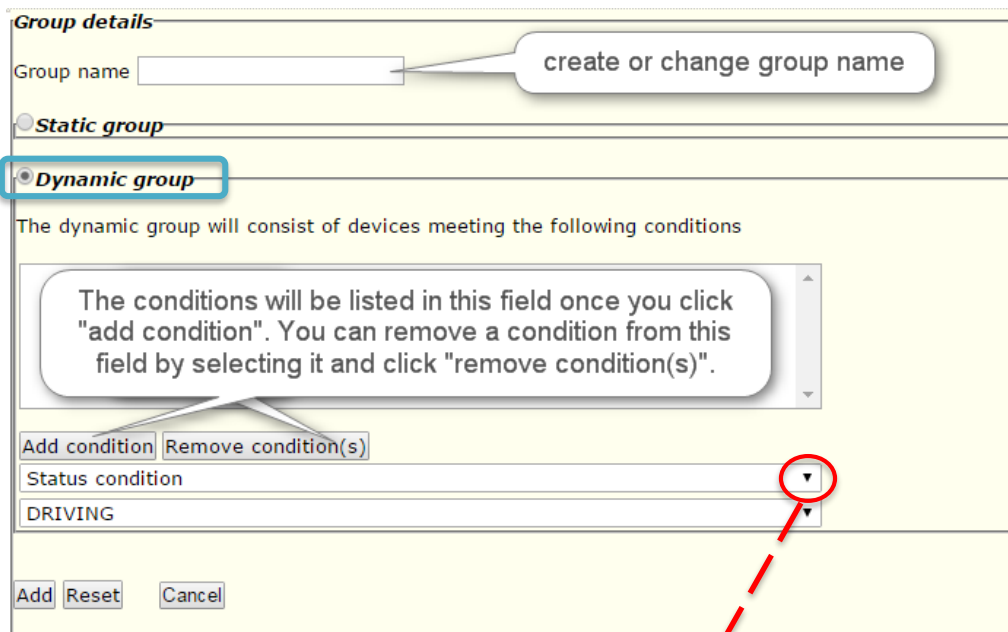
- See Menu / Admin / Geofencing zones: you can decide to have a device belonging to a group only IN or OUT of 1 or MORE geofencing zones that are defined in your project

Alert:

- See Menu / Admin / alert rules: you can decide to filter out all the devices for which a specific alert is still open

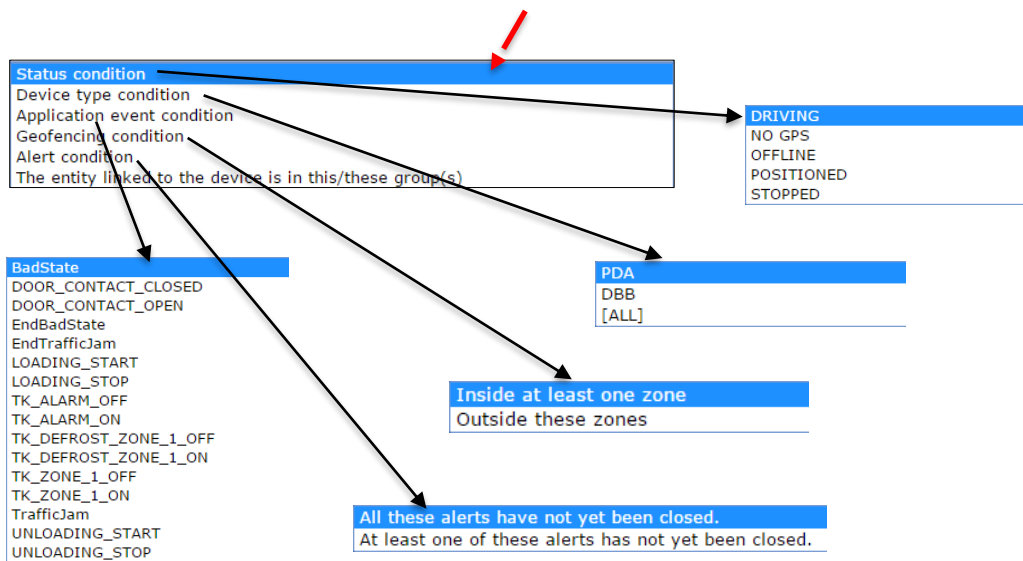
Entity belongs to a group:

- This feature is linked to a specific additional module. If your project does not support grouping Entities, you won't be able to choose this condition. Please contact your project manager in order to get more details.



The screenshot shows a web interface for 'Group details'. At the top, there is a 'Group name' input field with a callout bubble that says 'create or change group name'. Below this, there are two radio buttons: 'Static group' and 'Dynamic group'. The 'Dynamic group' option is selected and highlighted with a blue box. A text box below explains: 'The dynamic group will consist of devices meeting the following conditions'. Below this is a large text area containing the instruction: 'The conditions will be listed in this field once you click "add condition". You can remove a condition from this field by selecting it and click "remove condition(s)".' At the bottom of this text area are 'Add condition' and 'Remove condition(s)' buttons. Below the text area is a 'Status condition' dropdown menu with 'DRIVING' selected. A red dashed arrow points to the dropdown arrow. At the very bottom of the form are 'Add', 'Reset', and 'Cancel' buttons.

Create a condition by selection on of these criteria:



If necessary, your Project Manager can help you define the right conditions for the desired outcome.

2. Manage DEVICE's:

This menu allows you to

- add a new MOBILE DEVICE to your project
- or to modify data (e.g. the name) from a given DEVICE (mobile or telematics)
- and attach it to one or multiple groups.



It is impossible to create a new telematic device through the T&T interface. These are created by the installer through the technician interface, but can be modified/updated through the T&T.

New Device

In order to see the device on a map, please assign it to a group

Name

Serial

Reference

IMEI

GSM Number

SIM Number

Kilometer index Km

Kilometer index date

Kilometer index time :

Speed limit validity

Tank capacity

PinCode

Active device

Device group(s)

Other existing group(s)

- Beurs Demo
- Demestic fleet
- DEMO TT PDA
- DEMO VR DBB
- Koeltransport
- PDAHQ
- Subcontractors
- TIR
- UbidataSalesPda

Reset Create Cancel

the ref number is generally used for integration purposes. Any change might affect the way the data are sent back into your B.O.

unique information, will be frozen after device creation

A NOT active device will not be shown on the map and reports

these informations will be used in specific reports

Device Update

MC65f

In order to see the device on a map, please assign it to a group

Name

Serial

Reference

IMEI

GSM Number

SIM Number

Kilometer index Km

Kilometer index date

Kilometer index time :

Speed limit validity

Tank capacity

PinCode

Active device

Device group(s)

Other existing group(s)

- Beurs Demo
- Demestic fleet
- DEMO TT PDA
- DEMO VR DBB
- Koeltransport
- PDAHQ
- Subcontractors
- TIR

Reset Update Cancel

Example of definition of a MOBILE device assigned to the group: UbidataSalesPda with no phone enabled

Device Update
139W

In order to see the device on a map, please assign it to a group

Name	139W
Serial	357005035207362
Reference	
IMEI	357005035207362
GSM Number	
SIM Number	9240001552739
Kilometer index	0.00 Km
Kilometer index date	30/04/2014
Kilometer index time	14 : 00
Speed limit validity	250
Tank capacity	0
PinCode	

Active device

Device group(s)
DEMO VR DBB

Other existing group(s)
Beurs Demo
Demestic fleet
DEMO TT PDA
Koeltransport
PDAHQ
Subcontractors
TIR
UbidataSalesPda

Reset Update

Example of a telematic device which was put into operation on 30/04/2014 on a new vehicle and assigned to group DEMO VR DBB

8.3 Points of Interest (POI)

The POI = 'Points of Interest' allows you to mark important addresses.

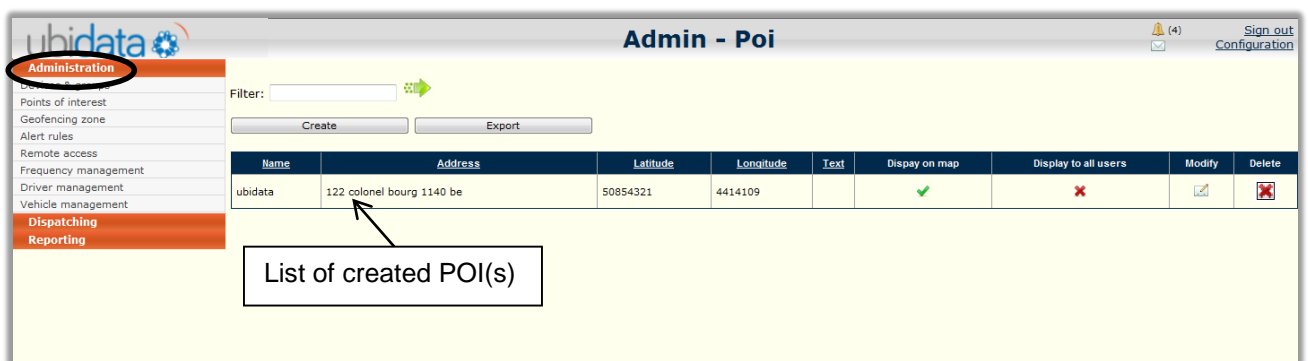
The POI is a single point on the map.

It can be an address of a client, subsidiary, supplier or other places you want to see on the map.

The POI will be shown on different reports, replacing the geo-coordinates or addresses by the name of the POI for easy reading.

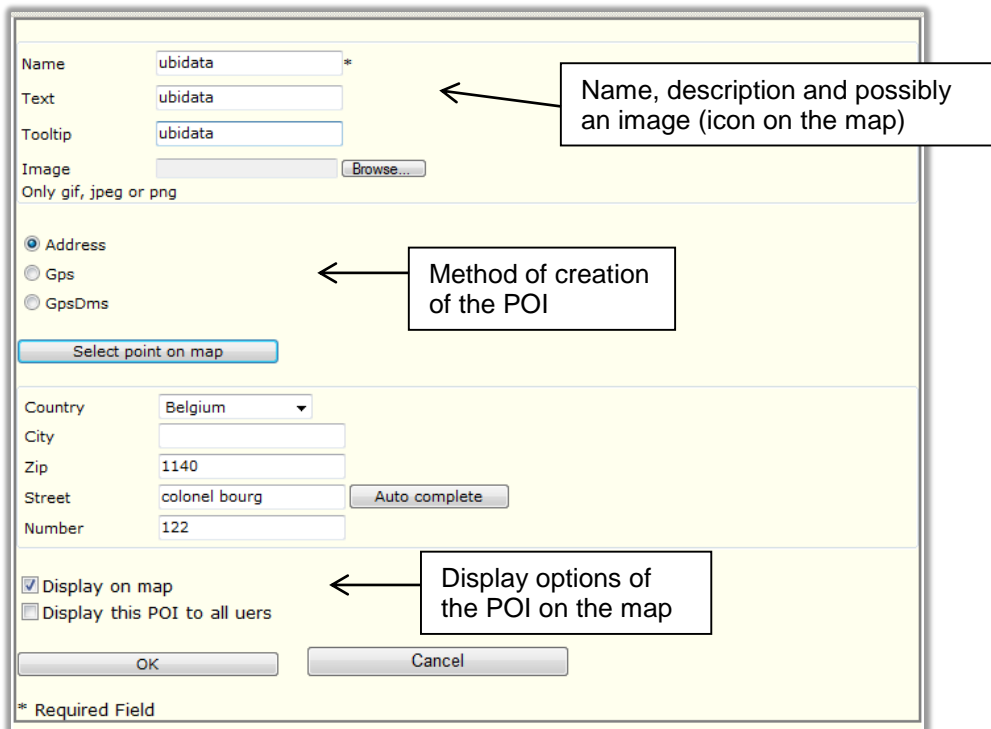
If you want to add many POI in your project, this can be done through the integration of an Excel file: please contact your project manager.

POI menu



Name	Address	Latitude	Longitude	Text	Display on map	Display to all users	Modify	Delete
ubidata	122 colonel bourg 1140 be	50854321	4414109		✓	✗		

Creation of a POI



Name: *

Text:

Tooltip:

Image:

Only gif, jpeg or png

Address

Gps

GpsDms

Country:

City:

Zip:

Street:

Number:

Display on map

Display this POI to all users

* Required Field

Method of creation of the POI:

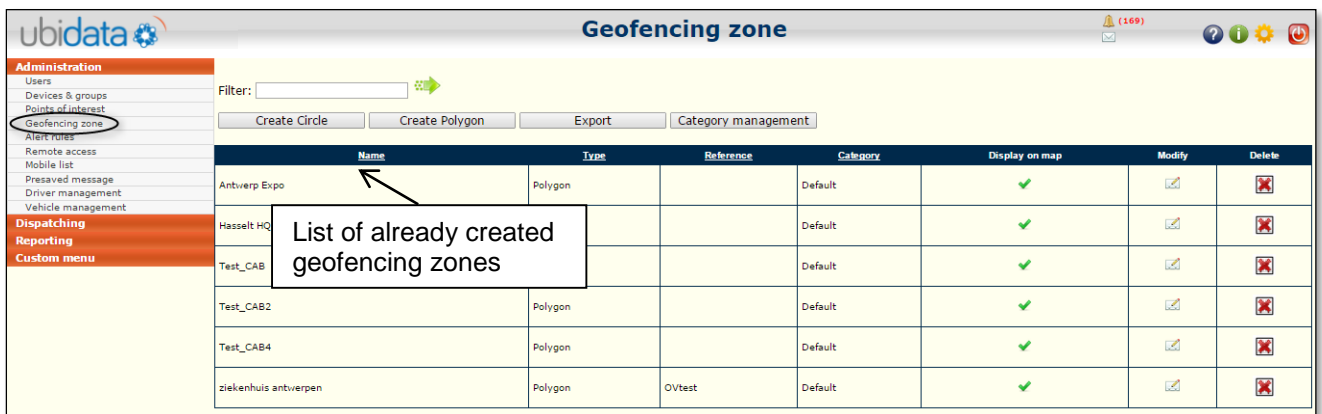
- entering the address
- Saving GPS coordinates of an existing device
- Manually encoding the GPS coordinates (Longitude/Latitude or Degrees/Minutes/Seconds)
- Direct selection of a point on the map by clicking on the button:

The point can be selected via a right-click of the mouse (represented by the flag on the map). Then you can save this point as the POI.



8.4. Geofencing Zone

The 'geofencing' zones allows you to create geographic areas to detect when vehicles enter, exit or even remain in this zone.



Name	Type	Reference	Category	Display on map	Modify	Delete
Antwerp Expo	Polygon		Default	✓		
Hasselt HQ			Default	✓		
Test_CAB			Default	✓		
Test_CAB2	Polygon		Default	✓		
Test_CAB4	Polygon		Default	✓		
ziekenhuis antwerpen	Polygon	OVtest	Default	✓		

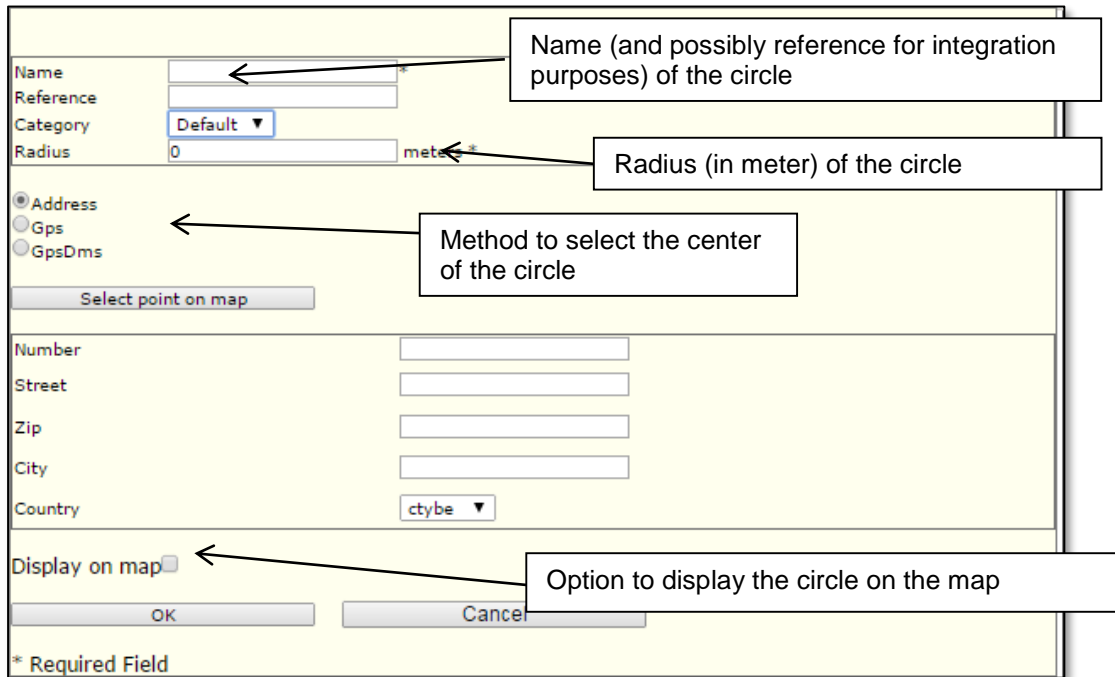
There are two ways to create a geofencing zone:

- Creating circles
- Creating polygons

Creating circles

There are various methods available to position the center of the circle:

- Encoding the address
- Encoding the GPS coordinates (Longitude/Latitude or Degrees/Minutes/Seconds)
- Direct selection of a point on the map (same procedure as 'creating a POI')

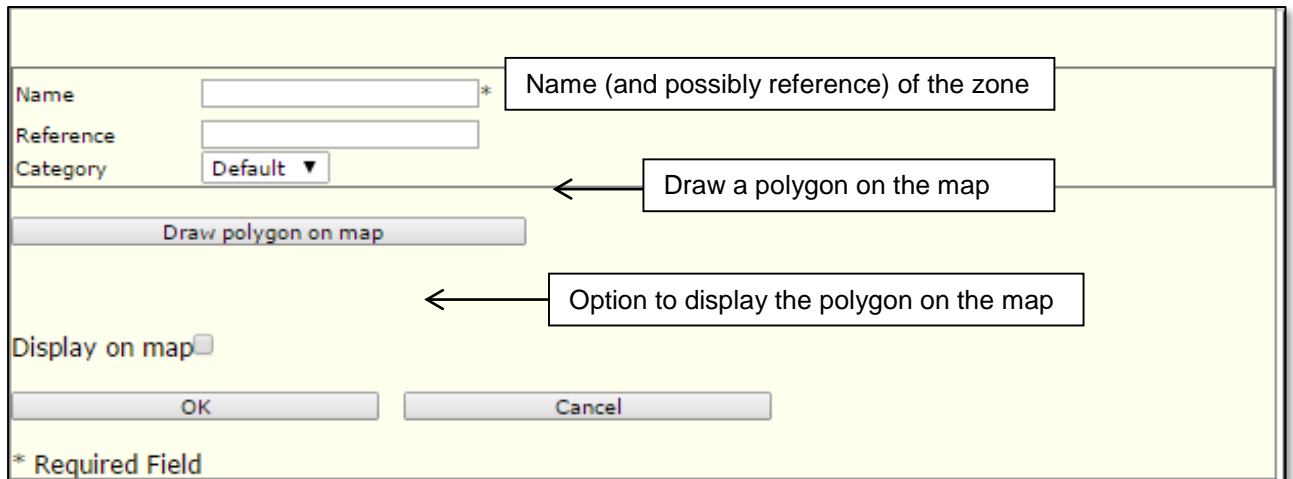


The screenshot shows a dialog box for creating a circle. It includes the following fields and callouts:

- Name**: A text input field with an asterisk, labeled "Name (and possibly reference for integration purposes) of the circle".
- Reference**: A text input field.
- Category**: A dropdown menu set to "Default".
- Radius**: A text input field containing "0" followed by "meter", with an asterisk, labeled "Radius (in meter) of the circle".
- Center Selection Method**: Radio buttons for "Address", "Gps", and "GpsDms", with "Address" selected. A callout points to this section: "Method to select the center of the circle".
- Select point on map**: A button below the center selection options.
- Address Fields**: Text input fields for "Number", "Street", "Zip", "City", and "Country" (with a "ctybe" dropdown).
- Display on map**: A checkbox, labeled "Option to display the circle on the map".
- Buttons**: "OK" and "Cancel" buttons.
- Footer**: "* Required Field".

Creating polygons

It is also possible to create polygon areas to delineate exactly a geographic area (a parking, country...).



The screenshot shows a dialog box for creating a polygon. It includes the following fields and callouts:

- Name**: A text input field with an asterisk, labeled "Name (and possibly reference) of the zone".
- Reference**: A text input field.
- Category**: A dropdown menu set to "Default".
- Draw polygon on map**: A button, labeled "Draw a polygon on the map".
- Display on map**: A checkbox, labeled "Option to display the polygon on the map".
- Buttons**: "OK" and "Cancel" buttons.
- Footer**: "* Required Field".

Drawing the polygon is done directly on the map.

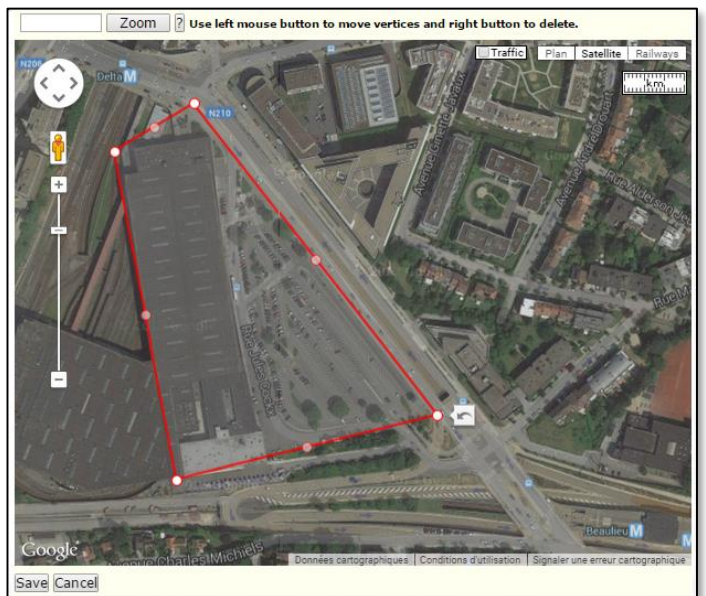
Via 3 right-clicks you build a triangle that you can further transform by moving the existing points: click on the little circles and simultaneously moving it on the map.

When the polygon is completed, you can click « Save » to save the drawn geofencing zone or « cancel » to restart the procedure.



NB: use the satellite view when creating a zone including a building or a parking.

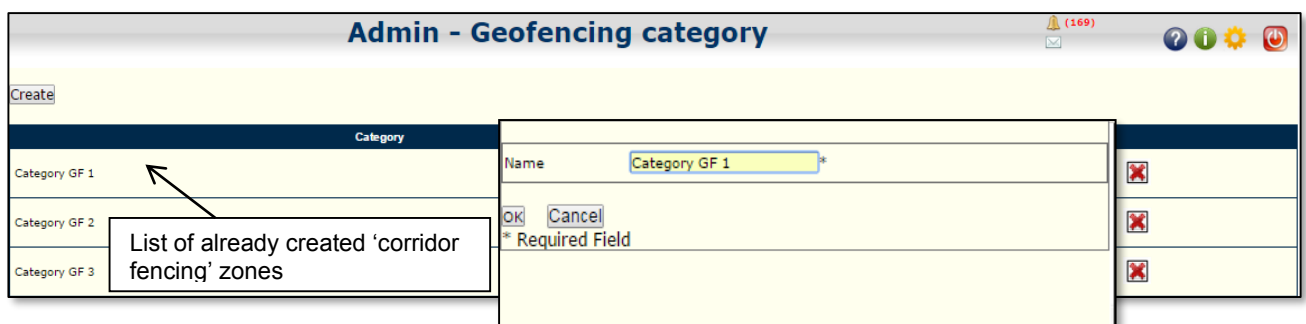
Be aware that GPS positions are subjected to uncertainties: we suggest to increase the zone by 20 meters in order to be sure it will be covered by the satellites.



Category of a geofencing zone:

The category field helps you managing a long list of geofencing zones by enable to group them. It will also permit to define specific alert rules on a group of geofencing zones.

This is however an additional feature, please contact your project coordinator in order to define your needs.



+32 2 793 77 78

8.5. Corridorfencing Zone

This report is not a standard feature, please ask your project manager to enable it.

The creation of 'corridor fencing' zones allows you to follow the route of a vehicle precisely.

Admin - Corridor zone

Filter:

Name	Reference	Width	Modify	Delete
Corridor1		100	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Name *

Reference

Corridor width meters *

Name (and possibly reference for integration purposes) of the 'corridor'

Width (in meter) of the 'corridor'

* Required Field

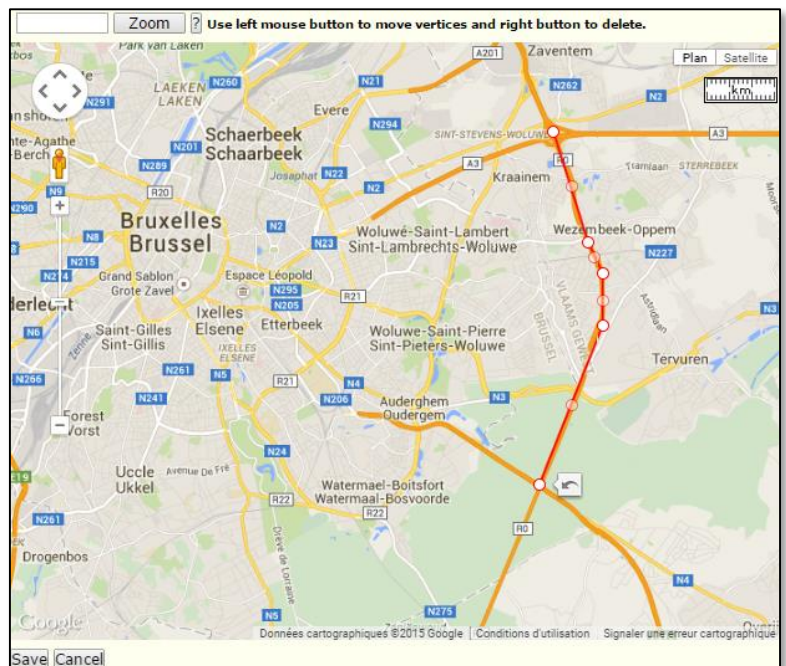
This feature enables to know if vehicle remains on a specified route or takes a forbidden route.

Via a right-click the starting point is selected (blue flag).

Then, every time with a right-click, you can select the other points in order to build the 'corridor'.

The 'corridor' is drawn in red on the map.

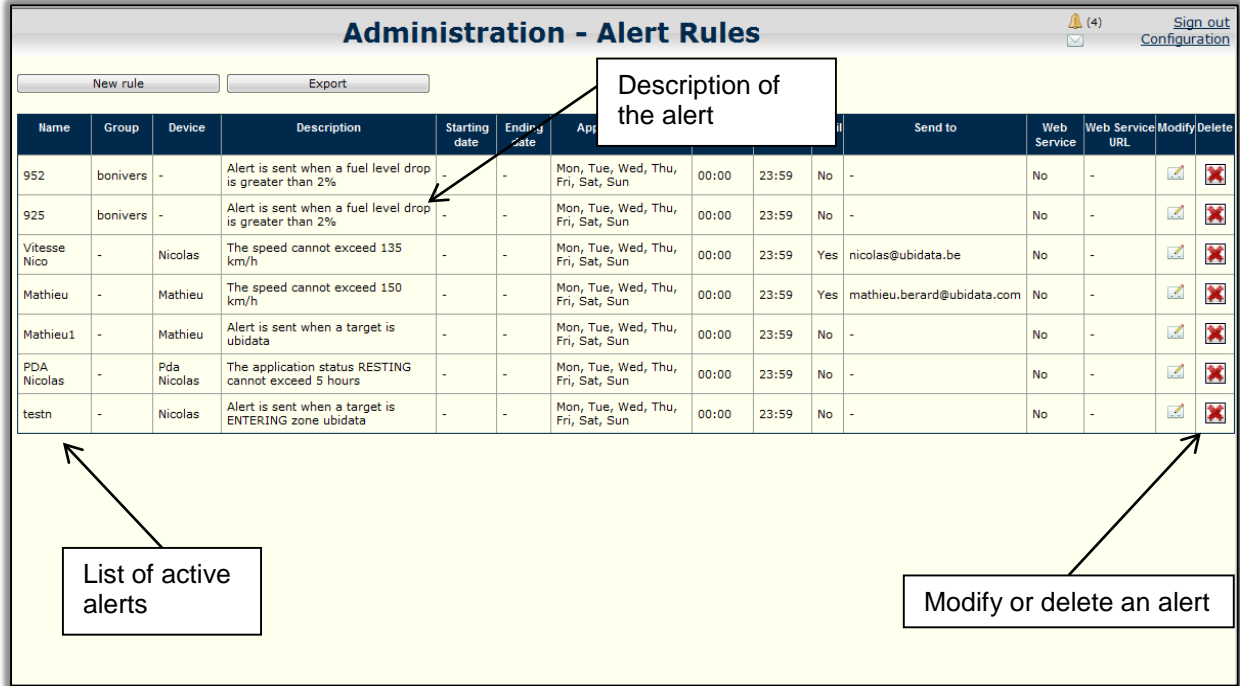
When the 'corridor' is completed, you can click « Save » to save the drawn 'corridor'.



8.6. Alert rules

The Track&Trace interface allows you to create alert rules and receive real-time alert messages.

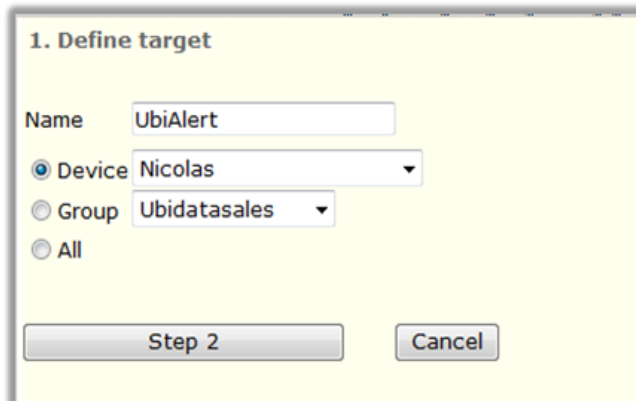
By clicking on the button *New rule* you start the procedure to create a new alert.



Name	Group	Device	Description	Starting date	Ending date	App	Send to	Web Service	Web Service URL	Modify	Delete
952	bonivers	-	Alert is sent when a fuel level drop is greater than 2%	-	-	Mon, Tue, Wed, Thu, Fri, Sat, Sun	00:00 23:59 No -	No	-		
925	bonivers	-	Alert is sent when a fuel level drop is greater than 2%	-	-	Mon, Tue, Wed, Thu, Fri, Sat, Sun	00:00 23:59 No -	No	-		
Vitesse Nico	-	Nicolas	The speed cannot exceed 135 km/h	-	-	Mon, Tue, Wed, Thu, Fri, Sat, Sun	00:00 23:59 Yes nicolas@ubidata.be	No	-		
Mathieu	-	Mathieu	The speed cannot exceed 150 km/h	-	-	Mon, Tue, Wed, Thu, Fri, Sat, Sun	00:00 23:59 Yes mathieu.berard@ubidata.com	No	-		
Mathieu1	-	Mathieu	Alert is sent when a target is ubidata	-	-	Mon, Tue, Wed, Thu, Fri, Sat, Sun	00:00 23:59 No -	No	-		
PDA Nicolas	-	Pda Nicolas	The application status RESTING cannot exceed 5 hours	-	-	Mon, Tue, Wed, Thu, Fri, Sat, Sun	00:00 23:59 No -	No	-		
testn	-	Nicolas	Alert is sent when a target is ENTERING zone ubidata	-	-	Mon, Tue, Wed, Thu, Fri, Sat, Sun	00:00 23:59 No -	No	-		

Step 1: Define the target

The alert rules are valid for a device, a group or all devices (telematic or mobile device).



1. Define target

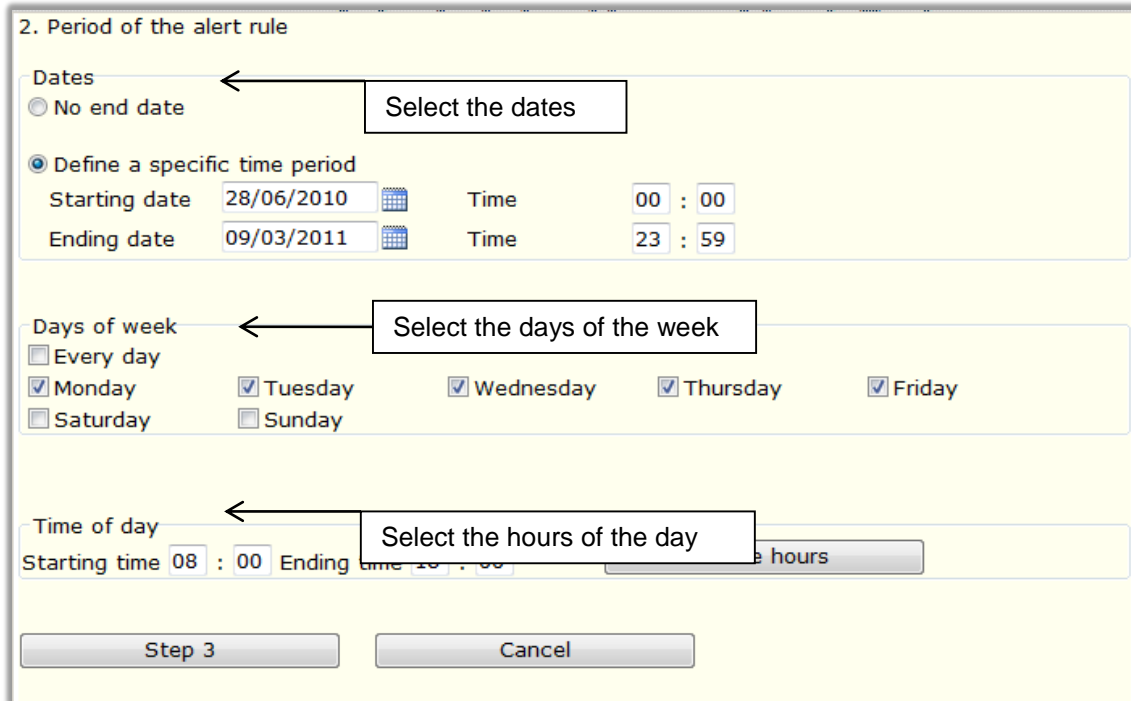
Name

Device

Group

All

Step 2: Select the validity period of the alert



2. Period of the alert rule

Dates

No end date

Define a specific time period

Starting date 28/06/2010 Time 00 : 00

Ending date 09/03/2011 Time 23 : 59

Days of week

Every day

Monday Tuesday Wednesday Thursday Friday

Saturday Sunday

Time of day

Starting time 08 : 00 Ending time 18 : 00


Step 3 Cancel

In this example the alert is valid from 28/06/2010 until 09/03/2011, from Monday until Friday between 08h00 and 18h00.

Step 3: Enter the recipients and the methods

There are multiple possibilities to send alerts to (a) recipient(s):

- Via the Track&Trace interface: by default. The alerts are systematically displayed in the Track&Trace interface. If you immediately go to *Step 4*, only this method will be activated.
- By sending:
 - an e-mail to one or multiple recipient(s) (for example : nicolas@ubidata.com; mathieu@ubidata.com)
 - a SMS:
 - please respect following nomenclature : “mobile number (with prefix) @ ubidatasms.be” (for example : [+3247560066@ubidatasms.be](sms:+3247560066@ubidatasms.be))
 - The combination of e-mail and text is possible (separated by “;”) : (for example : [nicolas@ubidata.com; +3247560066@ubidatasms.be](mailto:nicolas@ubidata.com;+3247560066@ubidatasms.be))
- Via Web Services

- Through RSS feed: In order to receive a POP-UP (when connected on the T&T), please refer to the paragraph about “Configuration” => 

3. Warnings

Display alerts on Track and trace interface displays alert on T&T interface

The alerts are displaying on Track and trace (menu Dispatching--> Alertes).

Send an email generates an email or an SMS

Alerts appear on alert page of track and trace (menu Dispatching--> Alerts).
If the option is checked, an email will be sent to the chosen email address everytime an alert occurs

Email

Language

Send to Web Service warning through webservice

If the option is checked, the alert information will be sent to the mentioned web service when the alert occurs. (Only valid for Speed, status duration and geofencing entering and leaving zone alerts)


Web Service URL :

Username :

Password :

RSS Feeds opens a POP UP window even if the T&T is not on the foreground of your computer

For the integration of RSS feeds and pop-up notifications



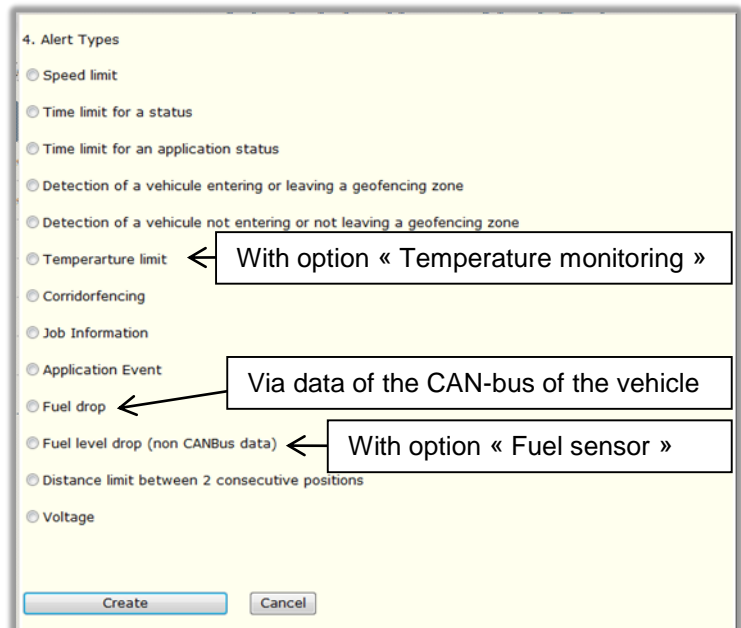
Step 4: Select the type of alert

Select the type of alert.

The number of alert types can vary, depending on the installed telematics solutions.

Basic alerts types are:

- Speed limit : Send an alert when speed is higher than specified limit in km/h
- Time limit for a status: gives information's about the evolution of GPS positions in time
- Time limit for an application status
- Detection of a vehicle entering or leaving a geofencing zone
- Detection of a vehicle not entering or not leaving a geofencing zone
- Application Event



4. Alert Types

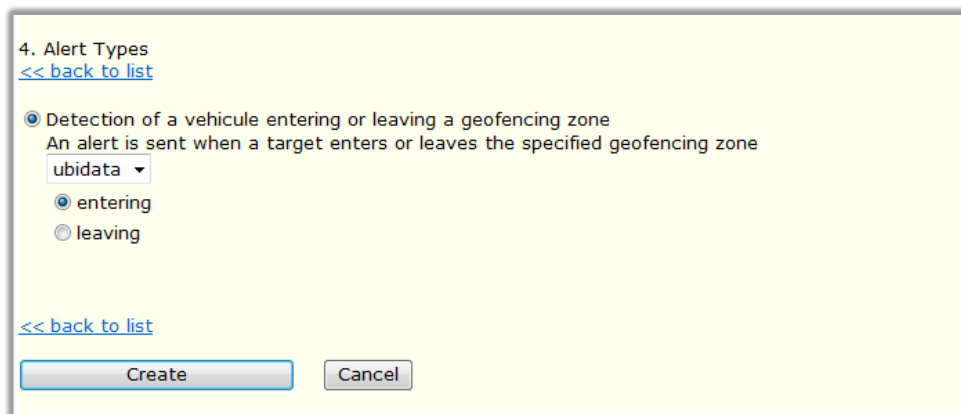
- Speed limit
- Time limit for a status
- Time limit for an application status
- Detection of a vehicule entering or leaving a geofencing zone
- Detection of a vehicule not entering or not leaving a geofencing zone
- Temperature limit ← With option « Temperature monitoring »
- Corridorfencing
- Job Information
- Application Event
- Fuel drop ← Via data of the CAN-bus of the vehicle
- Fuel level drop (non CANBus data) ← With option « Fuel sensor »
- Distance limit between 2 consecutive positions
- Voltage

Create Cancel

Step 5: Determine the parameters of the alert

After choosing the alert type, you have to determine the parameters of the alert.

In this example: alerts if the vehicle enters the 'geofencing' zone « Ubidata ».



4. Alert Types
[<< back to list](#)

Detection of a vehicule entering or leaving a geofencing zone
An alert is sent when a target enters or leaves the specified geofencing zone

ubidata ▾

entering
 leaving

[<< back to list](#)

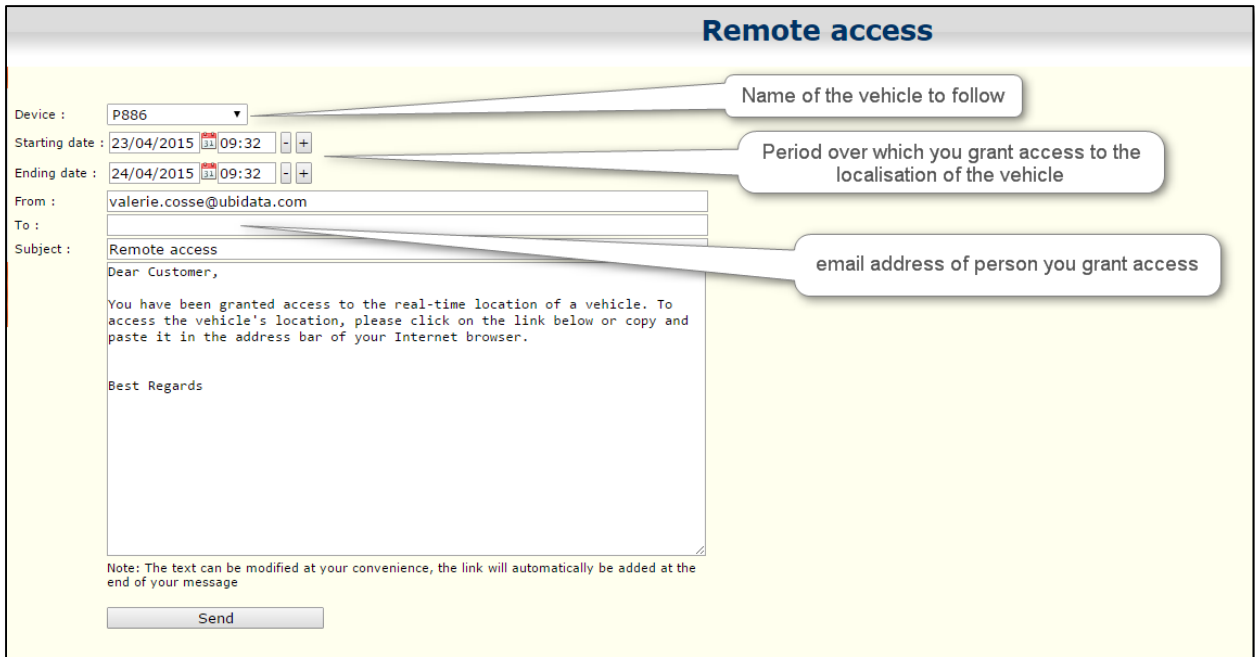
Create Cancel

Finish the creation of the alert by clicking on *Create*.

!! Many different types of alerts are possible and it is impossible to describe them all. If you need assistance in order to set up the right alert, please contact UBIDATA support: support@ubidata.com

8.7. Remote access

You have the possibility to give a customer or a colleague a temporary, limited access (in passive mode) to follow a vehicle. The person that is granted access has to click on the URL in the e-mail the system has sent him.



Remote access

Device : P886 Name of the vehicle to follow

Starting date : 23/04/2015 09:32 Period over which you grant access to the localisation of the vehicle

Ending date : 24/04/2015 09:32 email address of person you grant access

From : valerie.cosse@ubidata.com

To :

Subject : Remote access

Dear Customer,

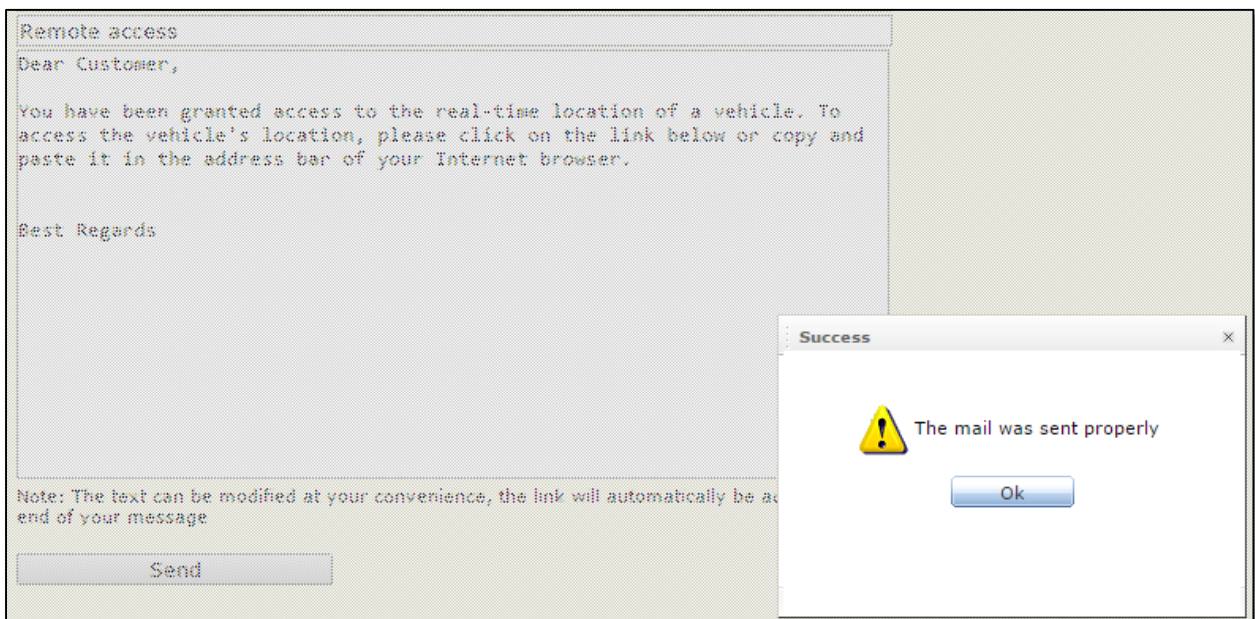
You have been granted access to the real-time location of a vehicle. To access the vehicle's location, please click on the link below or copy and paste it in the address bar of your Internet browser.

Best Regards

Note: The text can be modified at your convenience, the link will automatically be added at the end of your message

Send

A pop-up notifies you if the message has been sent correctly.



Remote access

Dear Customer,


You have been granted access to the real-time location of a vehicle. To access the vehicle's location, please click on the link below or copy and paste it in the address bar of your Internet browser.

Best Regards

Note: The text can be modified at your convenience, the link will automatically be added at the end of your message

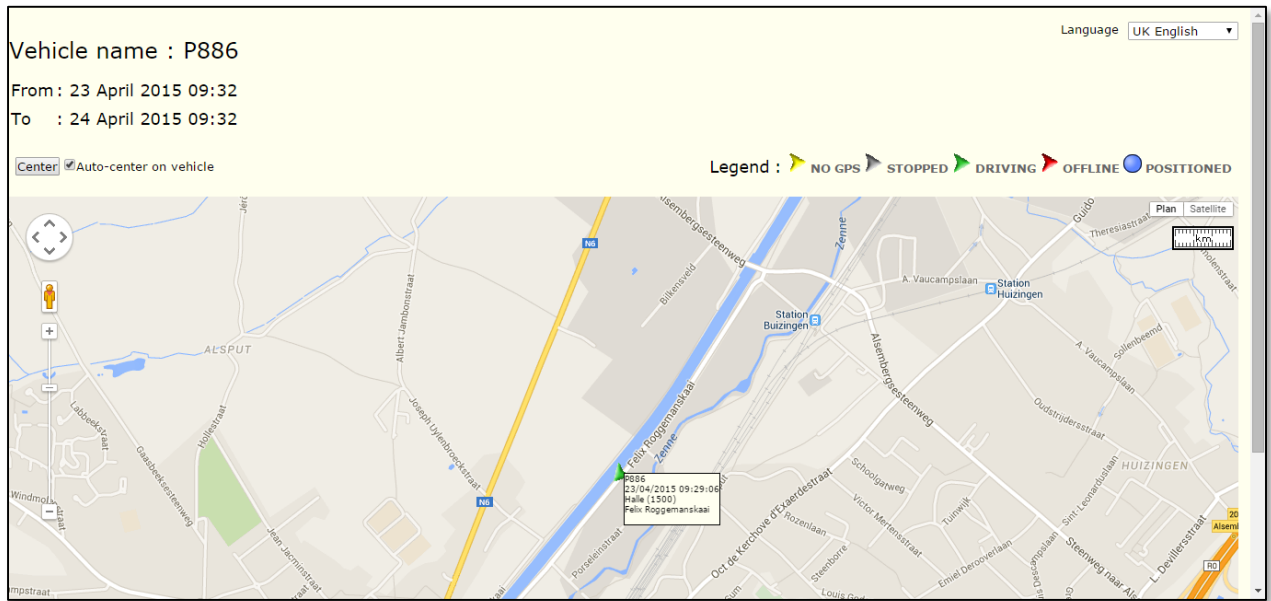
Send

Success

 The mail was sent properly

Ok

The client receives then a mail with a link to an internet page that looks like:

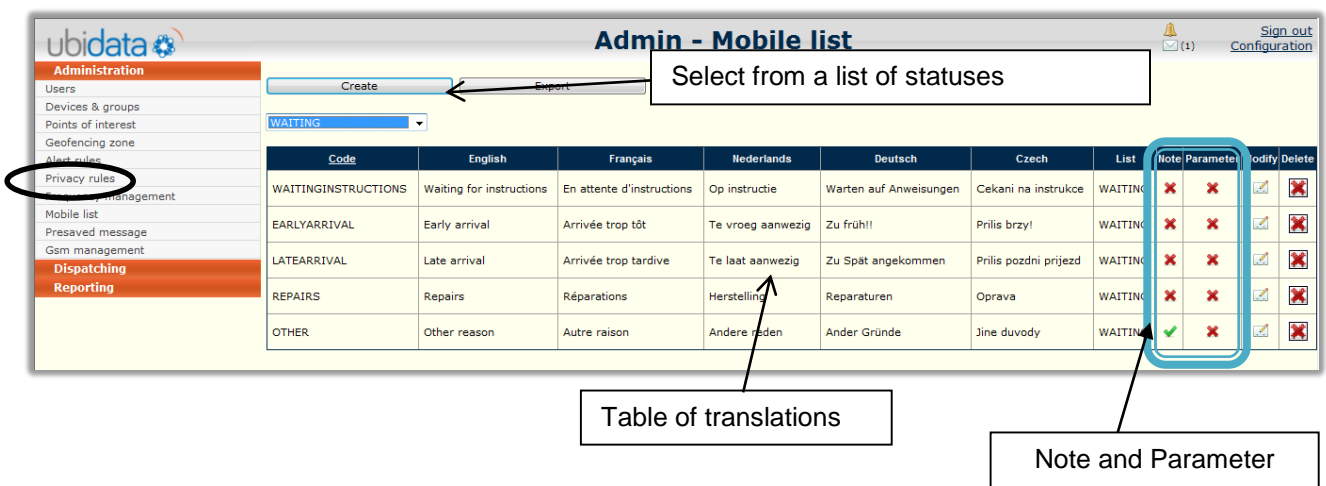


8.8. Mobile List - only for the 'Mobile Framework'

This menu allows you to manage remotely the various lists, from which the users of the mobile devices have to choose an element to explain an activity or reason.

A table of translations is provided to complete the lists, in order to ensure that both the mobile devices and the dispatcher receive messages in their own language.

In this example you see the possible choices to give a more specific reason about a status, if the user of the mobile device chooses the status « waiting ».



Admin - Mobile list

Select from a list of statuses

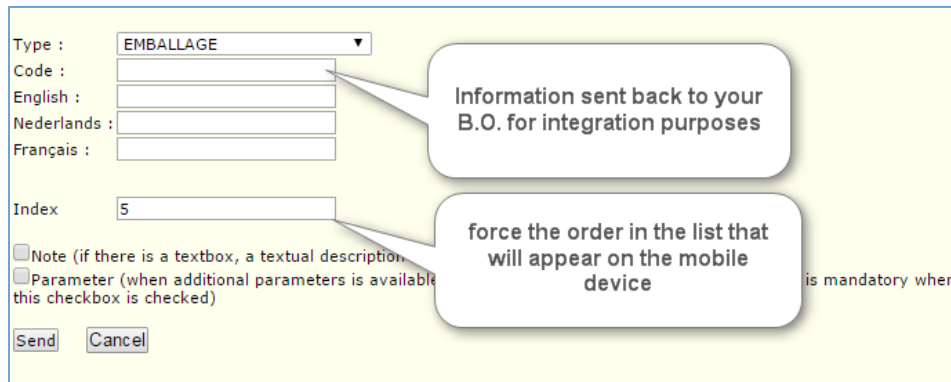
Table of translations

Note and Parameter

Code	English	Français	Nederlands	Deutsch	Czech	List	Note	Parameter	Modify	Delete
WAITINGINSTRUCTIONS	Waiting for instructions	En attente d'instructions	Op instructie	Warten auf Anweisungen	Cekani na instrukce	WAITING	X	X	[icon]	[icon]
EARLYARRIVAL	Early arrival	Arrivée trop tôt	Te vroeg aanwezig	Zu früh!!	Prilis brzy!	WAITING	X	X	[icon]	[icon]
LATEARRIVAL	Late arrival	Arrivée trop tardive	Te laat aanwezig	Zu Spät angekommen	Prilis pozdni prijezd	WAITING	X	X	[icon]	[icon]
REPAIRS	Repairs	Réparations	Herstelling	Reparaturen	Oprava	WAITING	X	X	[icon]	[icon]
OTHER	Other reason	Autre raison	Andere reden	Ander Gründe	Jine duvody	WAITING	✓	X	[icon]	[icon]

Create an item in a Mobile List:

Click on Create and choose the List where you want to add an item



Type : EMBALLAGE

Code :

English :

Nederlands :

Français :

Index : 5

Note (if there is a textbox, a textual description is mandatory when this checkbox is checked)

Parameter (when additional parameters is available this checkbox is checked)

Send Cancel

Information sent back to your B.O. for integration purposes

force the order in the list that will appear on the mobile device

Note: if a text box is foreseen on the mobile application, then a textual description is mandatory when this checkbox is checked (e.g. reason when “other” is chosen upon cancelling a JOB)

Parameter: when additional parameters are foreseen on the mobile application, then these are mandatory upon check of this box (e.g. km when fueling)

Be careful when changing these lists: these are often linked to your B.O. and the information is sent back in the B.O. through the xml files. If you make a change, you might corrupt the data integration!!

8.9. Pre-saved messages - only for the ‘Mobile Framework’

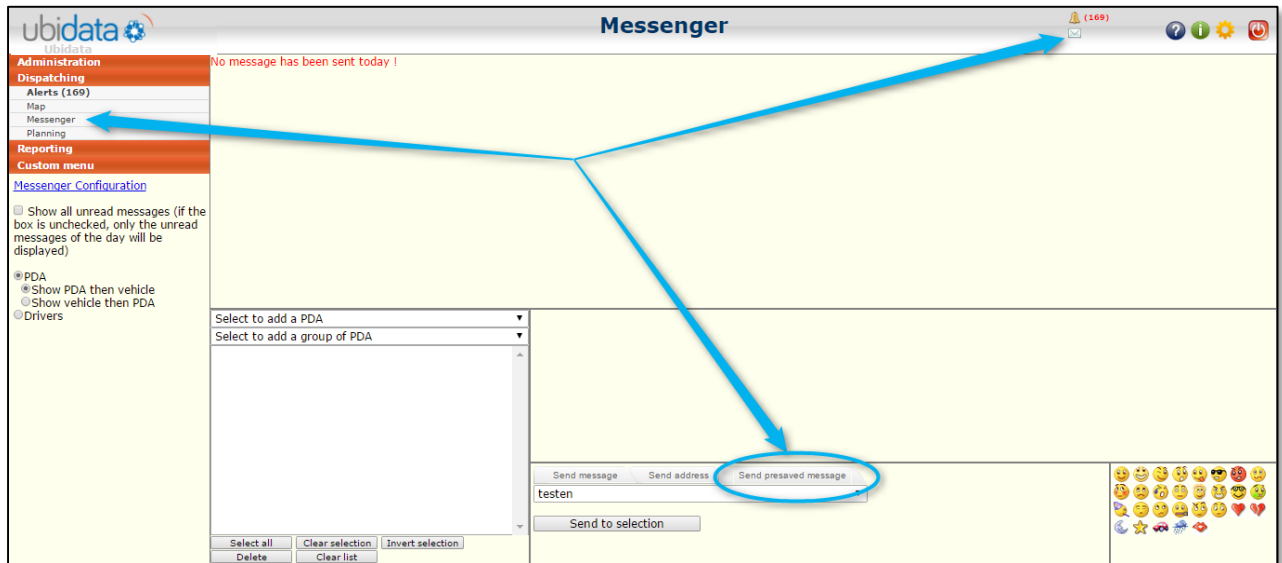


Code	English	Nederlands	Français	Modify	Delete
test	testen	testnl	testfr		
testMSG1	test MSG1 EN	test MSG1 NL	test MSG1 FR		
testMSG2	test MSG2 EN	test MSG2 NL	test MSG2 FR		

The presaved messages in this list will appear in the MESSENGER menu in order to avoid typing on a regular basis the same text e.g. :

- “call me”
- “call the dispatching”
- “warn the customer”
- ...

This permits an efficient and rapid communication between the dispatcher and the driver



8.10. ENTITY Management

This menu allows you to create and delete an ENTITY of your project. Depending upon your needs, we might define a(n):

- DRIVER
- VEHICLE
- TRAILER
- ENGINE
- WAGON
- ...

We can consequently define an ENTITY as anything that can be linked to a device and that you want to monitor.

The objective is to have the ENTITY name appearing instead of a device name in order to link the data directly to the ENTITY, especially when there is a temporarily link (a mobile device can be used by different drivers, a driver can use different vehicles or trailers,...)

The link can be generated automatically, i.e. through LOGIN on a mobile device.

It can be fixed in the database, i.e. a telematics device which is mounted on a vehicle will generate a frozen link.

A link can be temporarily generated through the T&T, but this is a custom feature. Please contact your project manager in order to get more informations about this feature.

Creating a new ENTITY:

Depending on the entity you are creating (choose the right category), you will be asked to fill in certain fields, e.g. LOGIN and PASSWORD are only relevant for DRIVER management.

Category :	DRIVER ▼
Name :	DriverName
Login :	123
Password :	321
Reference :	11 *
GSM :	+32
start date :	24/12/1979
End of contract :	
Hauler :	
Mark vehicle :	SCANIA
INFO :	

The columns Login / Password / Reference are used for integration purposes. Please contact your IT or project manager before making any change. UBIDATA declines any responsibility in case the application fails after an update of one of these fields.

Create Cancel

The columns « Login / Password / reference » are used for integration purposes, be careful when making a change to it. If this information is not necessary, leave the field blank.

You can add unlimited customized information fields. These will appear beneath the “Reference” field upon creation.

Creating a new INFO field:

From the left side, click on “Entity info management”.

Entity info management

Category

All ▼

All

DRIVER

TRAILER

VEHICLE

You will be redirected to the INFO management page:

Entity: INFO field management

New entity info Export

	Français	Nederlands	English	Type	Default value	Global index	Last modification	By	Modify	Delete
GSM	GSM	GSM	GSM	NUMERIC	+32	1	19/01/2016 13:48:53	ubiaubi		
Début contrat	Begin datum	start date	DATE	24/12/1979	3	19/01/2016 13:49:01	ubiaubi			
Fin de contrat	Einde kontrakt	End of contract	DATE		5	19/01/2016 13:49:09	ubiaubi			
Sous-traitant	onderaannemer	Hauler	TEXT		7	19/01/2016 13:49:29	ubiaubi			
Marque véhicule	Merk voertuig	Mark vehicle	TEXT	SCANIA	9	19/01/2016 13:50:05	ubiaubi			
INFO	INFO	INFO	TEXT		11	19/01/2016 13:49:57	ubiaubi			

The INFO field management page lists all the informations you create to manage your entities. You might want to enter:

- GSM number of a driver
- Type of vehicle
- Name of sub-contractor
- Date of interim contract of a driver
-

To create a new type of INFO field, hit the button "New entity info":

Français :
 Nederlands :
 English :
 Type :
 Default value :
 Index :

Enter the description (title of column) in French, english and Dutch.
 Choose type of information. Currently 3 choices: text, numeric and date.,
 You can define a default value (or pre-enter some data as +32 for a phone number e.g.)
 Index defines the order of the INFO column in the Entity management table.

DRIVER entity – only for Mobile framework:

The table of DRIVERS includes all the drivers that will able to LOGIN on a mobile device of your project. If your application requires a password, be sure to transmit the information to the driver. The LOGIN field is mandatory.

This DRIVER table is used to temporarily link a DRIVER NAME to a device on specific reports (through the LOGIN).

Entity management				
New entity		Export		
Entity name	Login	Password	Category	Reference
Benoit	BEN	811116	DRIVER	BEN
Dave	dav	dav	DRIVER	
Françoise	999	999	DRIVER	
Pascal VDR	666	999	DRIVER	B309-NL

Annotations:

- DRIVER's name (points to Entity name column)
- Login and Password that have to entered on the MOBILE DEVICE (points to Login and Password columns)
- only for integration purposes (points to Reference column)

The columns "LOGIN" and "PASSWORD" are the informations that the driver will have to enter on his mobile device in order to be able to work out his planning.

VEHICLE/TRAILER/ENGINE/WAGON/LOCO entities:

This menu allows you to create and delete motorized or non-motorized types of vehicles.

The table of VEHICLES includes

- all the vehicles that will able to be chosen by driver on the mobile device to establish a temporarily link during their missions.
- all the vehicles that will be linked to a telematic device

This table is used to temporarily link a VEHICLE NAME to a **device (mobile or telematics)** on specific reports (through the Entity NAME).

This table is used to temporarily link a VEHICLE NAME to a **DRIVER** on specific reports (through the Entity name from the VEHICLE and the LOGIN from the DRIVER).

The columns "Login" and "password" are not relevant for this ENTITY and will be forced blank.

Entity management				
New entity		Export		
Entity name	Login	Password	Category	Reference
Mercedes			VEHICLE	1-DOS-476
Vehicle 9	9	9	VEHICLE	9
Vehicle1			VEHICLE	1
VW Polo			VEHICLE	XEX-750

Annotations:

- VEHICLE's name (points to Entity name column)
- info not used for a VEHICLE or TRAILER (points to Login and Password columns)
- only for integration purposes (points to Reference column)

9 Dispatching

By clicking 'Dispatching' a dropdown menu appears.

This menu allows you to follow your fleet of vehicles and/or PDA's and the activities of your drivers in real-time.



Visualisation of alerts

Dynamic map (real-time)

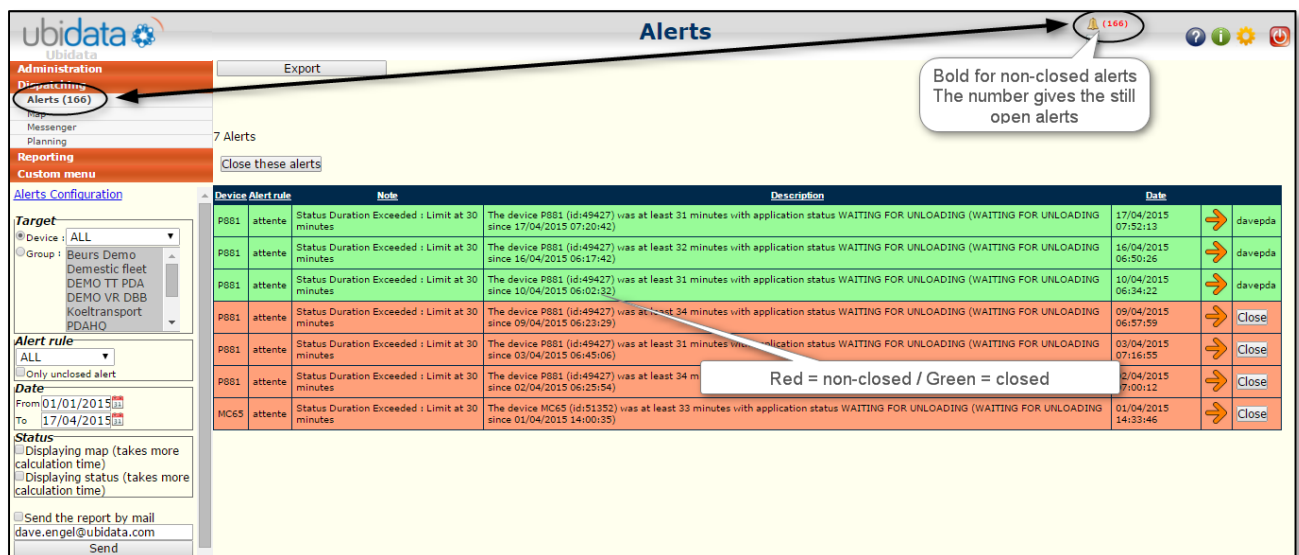
Message management

Follow-up of planning, per device

or globally

9.1. Visualization of alerts

This menu allows you to consult all alerts, regardless of the whether you received them via e-mail or text. You can access to the same screen through the shortcut.



The screenshot shows the 'Alerts' screen in the ubidata application. The interface includes a sidebar with navigation options like Administration, Dispatching, Alerts (100), Messenger, Planning, Reporting, and Custom menu. The main area displays a table of alerts with columns for Device Alert rule, Note, Description, and Date. A callout box points to the 'Alerts (100)' menu item, stating 'Bold for non-closed alerts. The number gives the still open alerts'. Another callout box points to the 'Close' button in the table, stating 'Red = non-closed / Green = closed'. The table contains several rows of alerts, with some having 'Close' buttons and others having 'Close' buttons that are disabled (indicated by a grey arrow).

Device Alert rule	Note	Description	Date	Action
P881 attente	Status Duration Exceeded : Limit at 30 minutes	The device P881 (id:45427) was at least 31 minutes with application status WAITING FOR UNLOADING (WAITING FOR UNLOADING since 17/04/2015 07:20:42)	17/04/2015 07:52:13	Close
P881 attente	Status Duration Exceeded : Limit at 30 minutes	The device P881 (id:45427) was at least 32 minutes with application status WAITING FOR UNLOADING (WAITING FOR UNLOADING since 16/04/2015 06:17:42)	16/04/2015 06:50:26	Close
P881 attente	Status Duration Exceeded : Limit at 30 minutes	The device P881 (id:45427) was at least 31 minutes with application status WAITING FOR UNLOADING (WAITING FOR UNLOADING since 10/04/2015 06:02:32)	10/04/2015 06:34:22	Close
P881 attente	Status Duration Exceeded : Limit at 30 minutes	The device P881 (id:45427) was at least 34 minutes with application status WAITING FOR UNLOADING (WAITING FOR UNLOADING since 09/04/2015 06:23:29)	09/04/2015 06:57:59	Close
P881 attente	Status Duration Exceeded : Limit at 30 minutes	The device P881 (id:45427) was at least 31 minutes with application status WAITING FOR UNLOADING (WAITING FOR UNLOADING since 03/04/2015 06:45:06)	03/04/2015 07:16:55	Close
P881 attente	Status Duration Exceeded : Limit at 30 minutes	The device P881 (id:45427) was at least 34 minutes with application status WAITING FOR UNLOADING (WAITING FOR UNLOADING since 02/04/2015 06:25:54)	02/04/2015 07:00:12	Close
MC65 attente	Status Duration Exceeded : Limit at 30 minutes	The device MC65 (id:81352) was at least 33 minutes with application status WAITING FOR UNLOADING (WAITING FOR UNLOADING since 01/04/2015 14:00:35)	01/04/2015 14:33:46	Close

You can close the alert by pressing the *Close* button.

Closed alert remain visible if you untick the "Only unclosed alert" box.

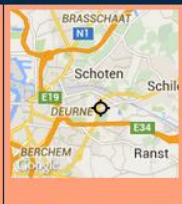
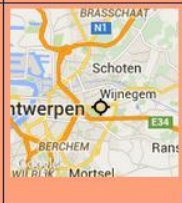
You can filter alerts on:

- Period
- Alert name/rule
- Device or group of devices

If you want to get complete information's you might choose to click on "display map" and "status", but this will take more time to display the full report as 2 new columns will appear:

If you want to further dig into one case, you can click on the arrow to have more details. It then opens a new window which redirects you on the report "Trip Overview".

You might choose to have a report sent by email by ticking the relevant box and inserting the required email address.

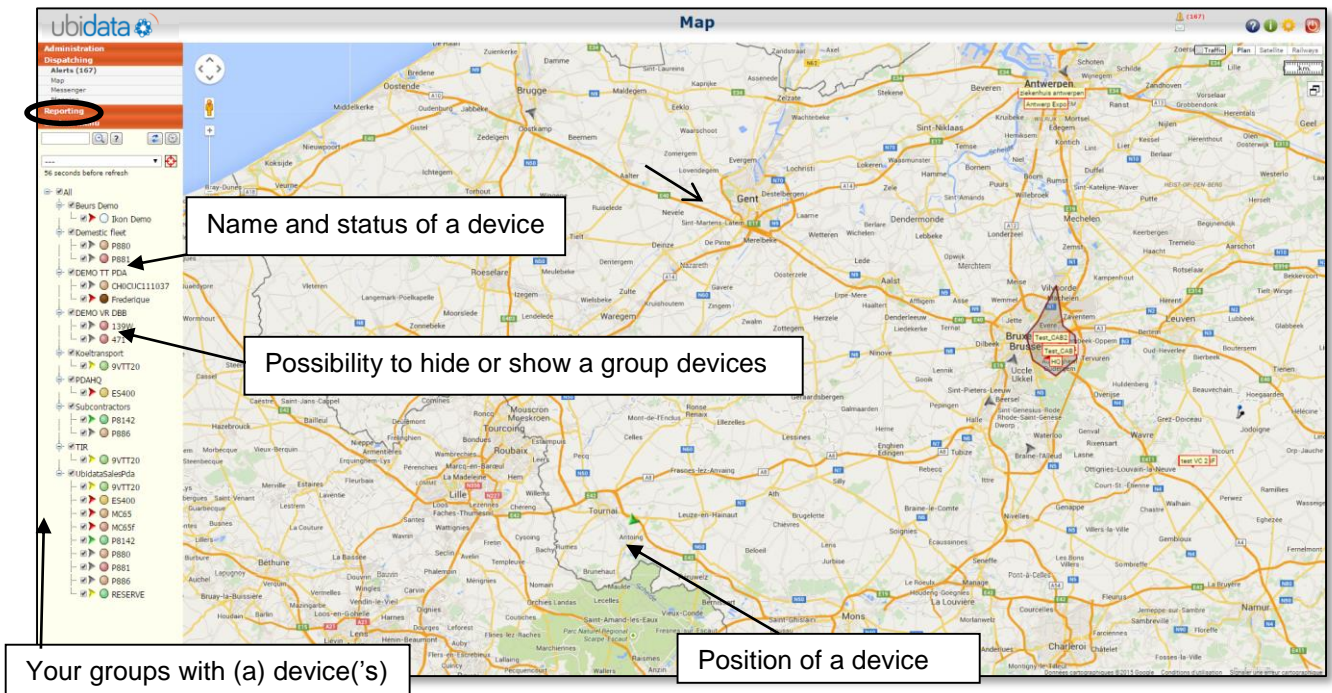
Status		Address		
STOPPED (20/04/2015 08:26:26)		6 Bijkhoevelaan 2110 Wijnegem BE	→	Close
STOPPED (20/04/2015 06:51:11)		Alfons Schneiderlaan 2100 Antwerp BE	→	Close

It is also possible to close all alerts appearing on the screen by clicking on the button "close these alerts"... *be careful, this is irreversible!!*

9.2. Map

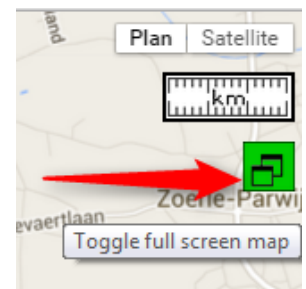
The menu *Map* allows you to have a full overview, in real-time, on (all/a part of) your fleet.

By scrolling the mouse, using the arrow keys or selecting a part of the map (by moving the mouse while holding the left button), you can navigate on the map.



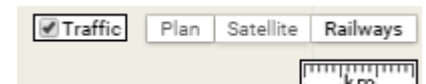
9.2.1. Toggle full screen on map:

click on the small icon above on the right side in order to hide the Menu and use the whole screen to dispatch the map.



9.2.2. Traffic on map:

If you have paid for the traffic information, tick on traffic to get real time information about the traffic:



9.2.3. Map or satellite view:

You can choose between map or satellite view.

Satellite view and street view is easy for example in case a dispatcher needs to help a driver in real time to find the right delivery place.

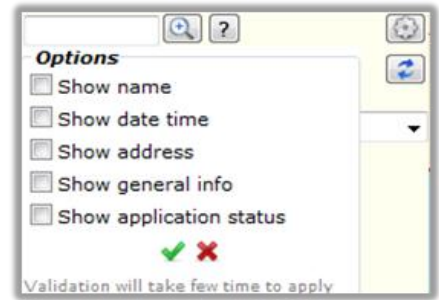


9.2.4. Show information about a device:

It is possible to display some information about the devices on the map: name, date of last status, current address, etc.

Click on  to choose information has to be shown on the map.

When you point the mouse on a specific device on the map, you can have even more information available.

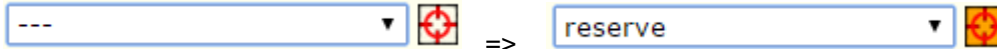


These information's are customizable by project, please contact UBIDATA support for more details.

9.2.5. Follow a target:

It is possible to follow a specific device.

To do so, choose a device from the list and click on the button « follow target », which turns orange:







This button will zoom in on the selected device. When the map refreshes, the map will also put this vehicle at the center. That way, it is possible to follow a vehicle without having to search for it each time.

To disable this function, you have to click on the button again and it will turn white again, indicating the « follow target » mode is disabled.

9.2.6. Status of a vehicle/PDA:

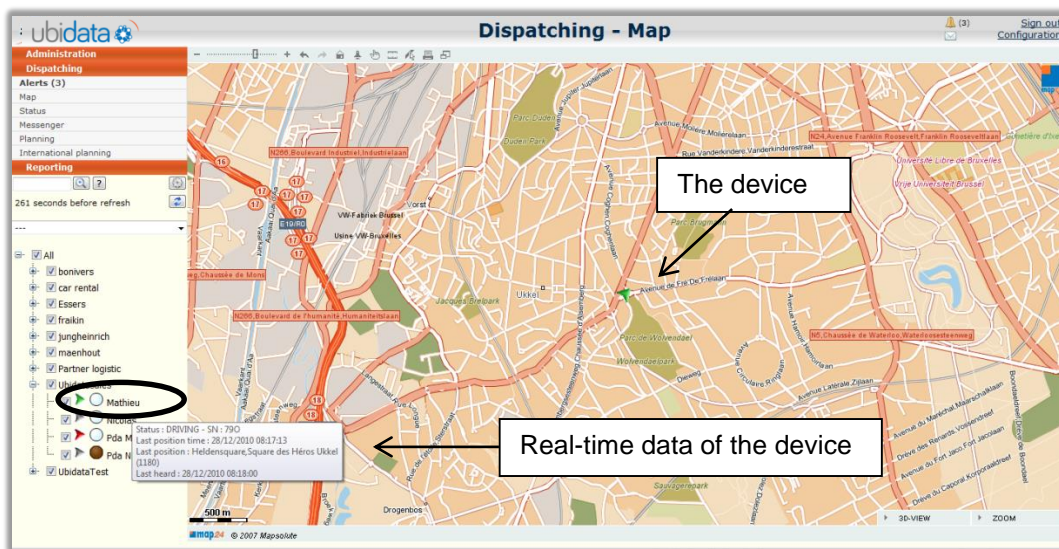
The colour of the icon of a vehicle/PDA indicates its GPS status:

Green		Driving
Gray		Stopped
Yellow		No GPS
Red		Offline

9.2.7. Zoom:

9.2.7.1 Zoom in on a device:

By clicking on the name of a vehicle/PDA from the threshold view, the map zooms in on it.



9.2.7.2 Zoom on map:


There are 2 options :

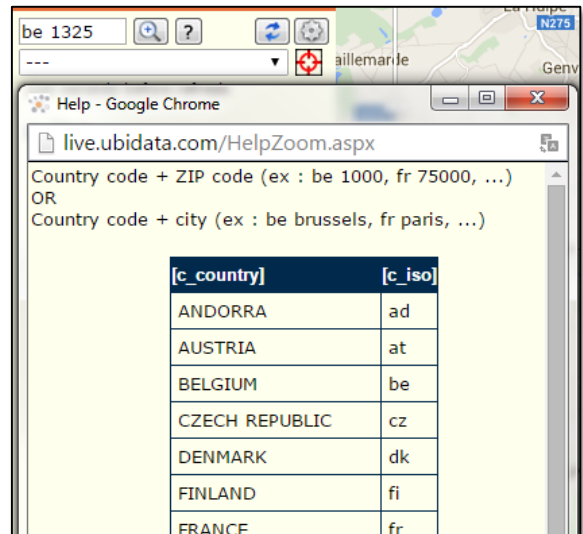
- Either you use the mouse roll
- Or you use SHIFT + Left CLICK to zoom on a rectangle

9.2.7.3 Zoom on zip code:

Enter

- country code + ZIP code
- or Country code + city

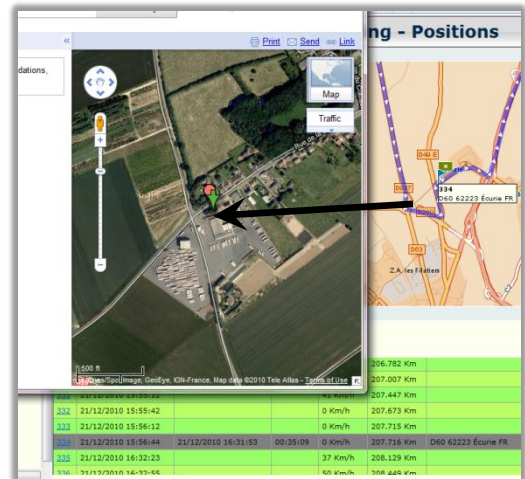
in the relevant field, then click on  and the map will zoom on the requested city.



9.2.7.4 Open Google Map in a new window:

With a right click on the map, a 'Google Maps' window opens. This function provides an accurate visualisation of the location in 3D.

This option is accessible in all screens with a map (included reports).



9.2.7.5 Taking measures:

It is possible to make distance measurements:



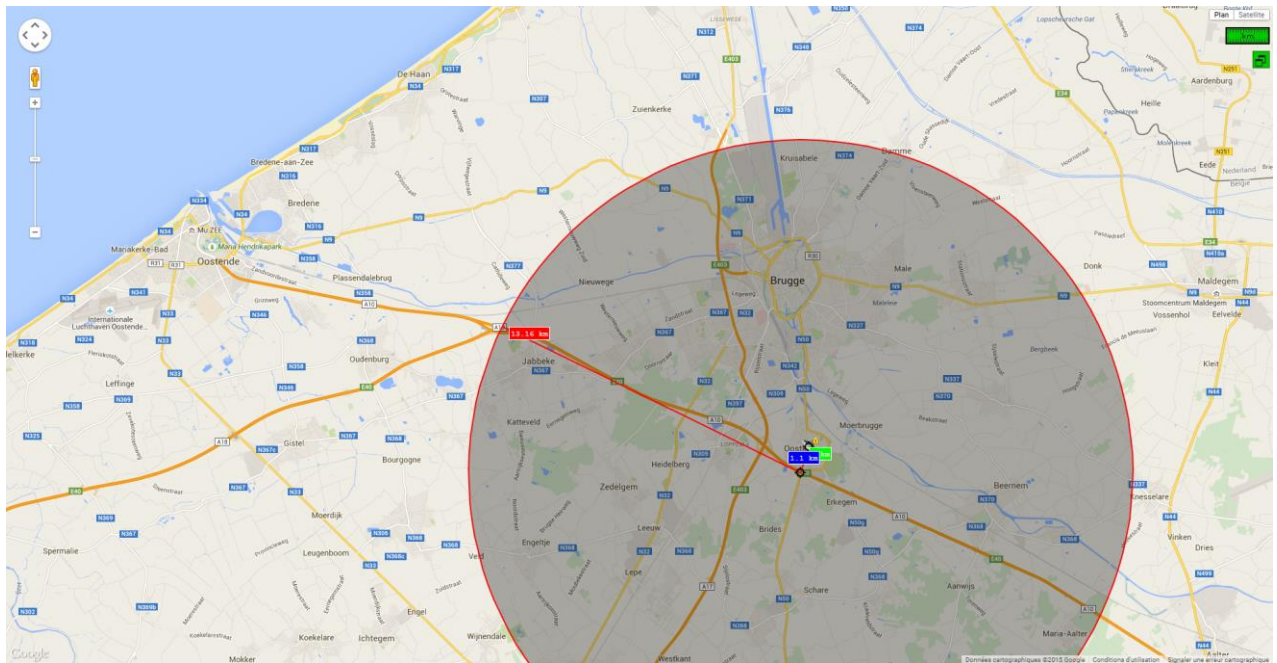
First LEFT click on the linear scale which turns green.

Then LEFT click on the starting point on the map.

When you move the cursor, you will see a circle opening, centred on the first selected point. The radius of the circle is visible as a red label.


A new LEFT click will fix the point and you will be able to open a new circle from there.

To stop measuring, click again on the linear scale.



9.2.8.Refreshing to get latest information:

There are several ways to refresh information on the dispatching map:

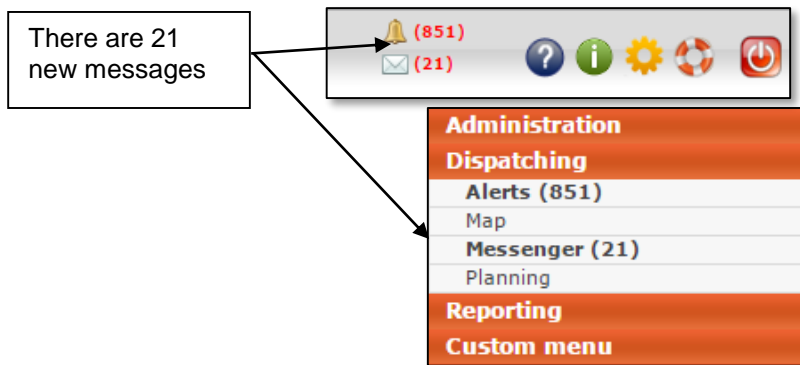
- Automatic refresh: the whole page refreshes automatically every 290 seconds
- Click on  icon => will force a refresh of the whole fleet in the TREEVIEW and on the MAP (takes several seconds depending on the size of the fleet)
- Click on DEVICE from the TREEVIEW => will refresh only the desired device: its position on the map and the text box (not the STATUS, e.g. the color of the arrow), this will be refreshed with the automatic refresh.

9.3. Messenger – only for mobile framework

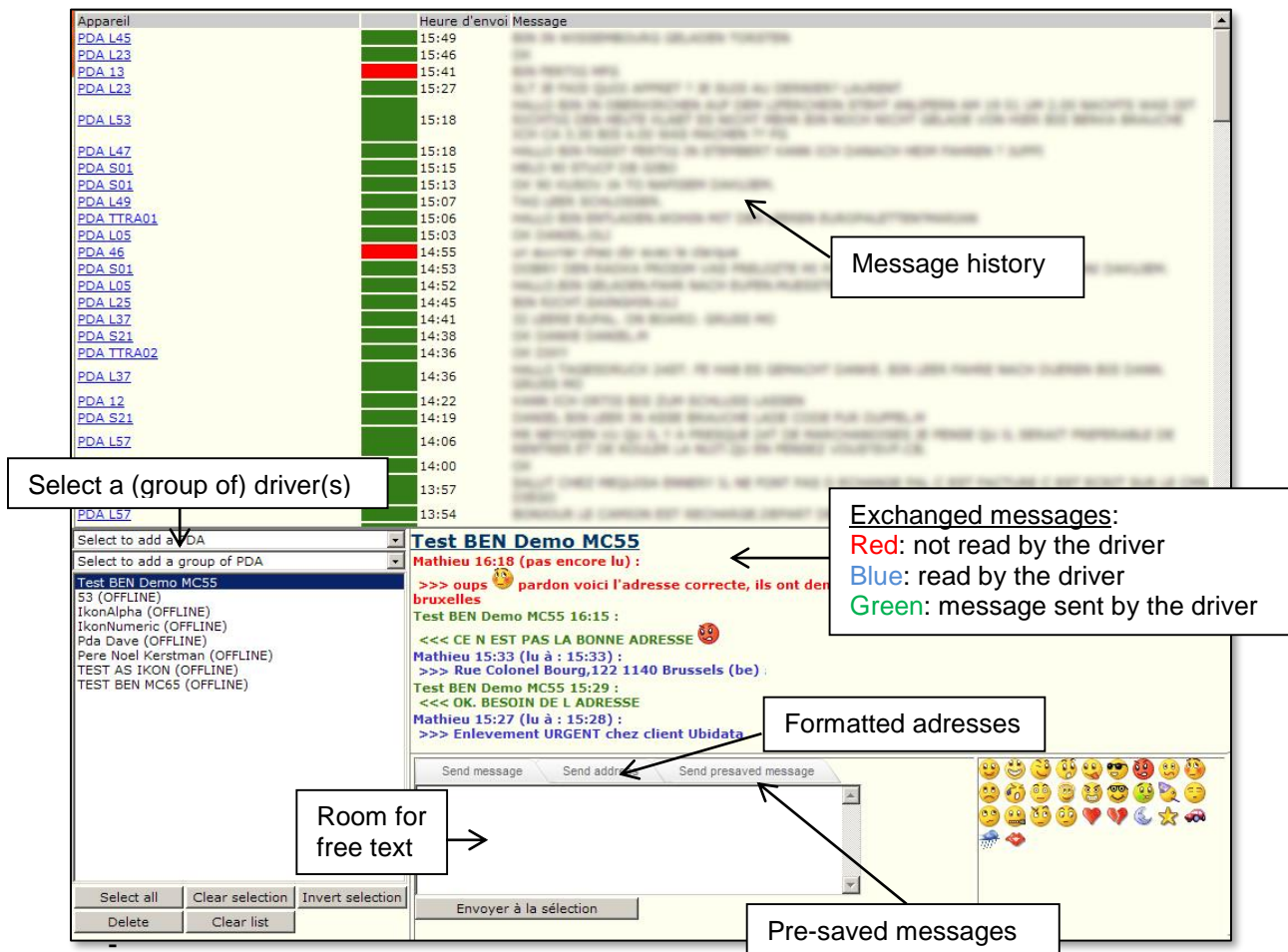
This menu is accessible in a configuration with the 'Mobile Framework'.

This message menu allows you to exchange messages in real-time between the dispatcher and the driver(s). These messages can be composed freely or pre-saved messages can be sent.

For every exchanged message the dispatcher receives a confirmation that the message was read by the driver. The dispatcher is notified of an incoming message from a driver by a graphical alert (top right).



By clicking the envelope (top right) or *Messenger* in the *Dispatching* menu, the interface opens the message dialog with all drivers.

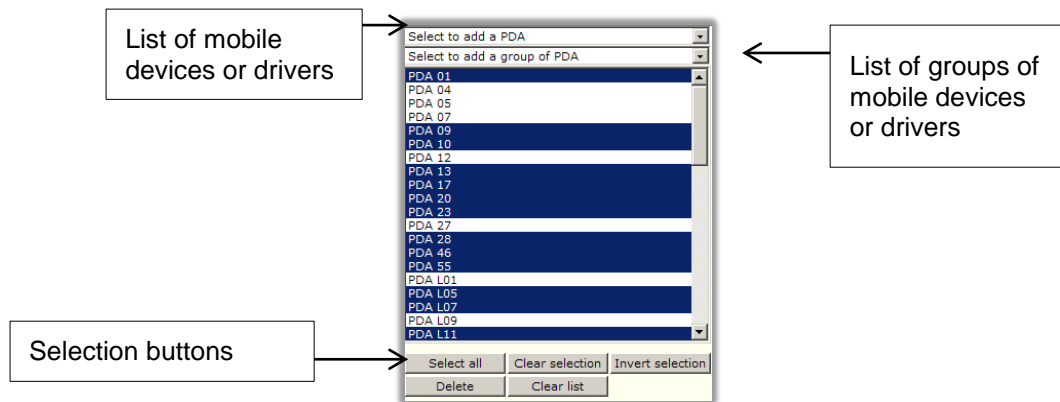


- *Formatted address:* The dispatcher can also send a formatted address. The advantage is that the driver will receive a text message (SMS) with a link of the address, he can select. The address is then automatically used by the GPS to navigate the driver to this address, without entering the address manually.
- *Pre-saved messages:* The pre-saved messages can be automatically translated by a table with translations (in the Administration menu) into the language of the driver before they are sent.

PDA
 Chauffeurs

This checkbox allows the lists to be filled with mobile devices (PDA's) or with drivers.

To send a message to one or multiple recipients, you have to start by selecting the target(s) from the available lists (list of all mobile devices or list of the groups – see Administration/Devices & Groups).



The selected item(s) will be highlighted in dark blue.

You can select multiple targets by using the mouse (CTRL + left mouse click).

Then you only have to type your message and press the button "Send to Selection" in order to send the message to the selected devices.

9.4. Planning / device – only for mobile framework

This menu is accessible in a configuration with the 'Mobile Framework'.

The planning menu gives you a full overview of the activities linked to a PLANNING, and subsequently **the key item chosen to transfer the planning**, i.e. a mobile device name, an ENTITY (DRIVER or VEHICLE name) or a MISSION (also called TRIP number, PLANNING Ref.).

Target:

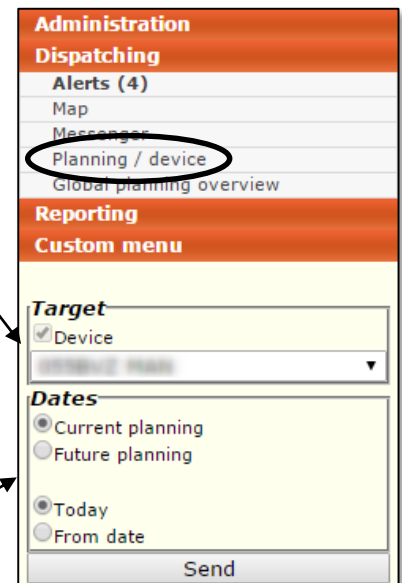
You need to choose 1 item out of the list.

Dates:

You can choose to lookup the current planning or make a search in the past by specifying a period of search.

Select an item out of the list

Select the date

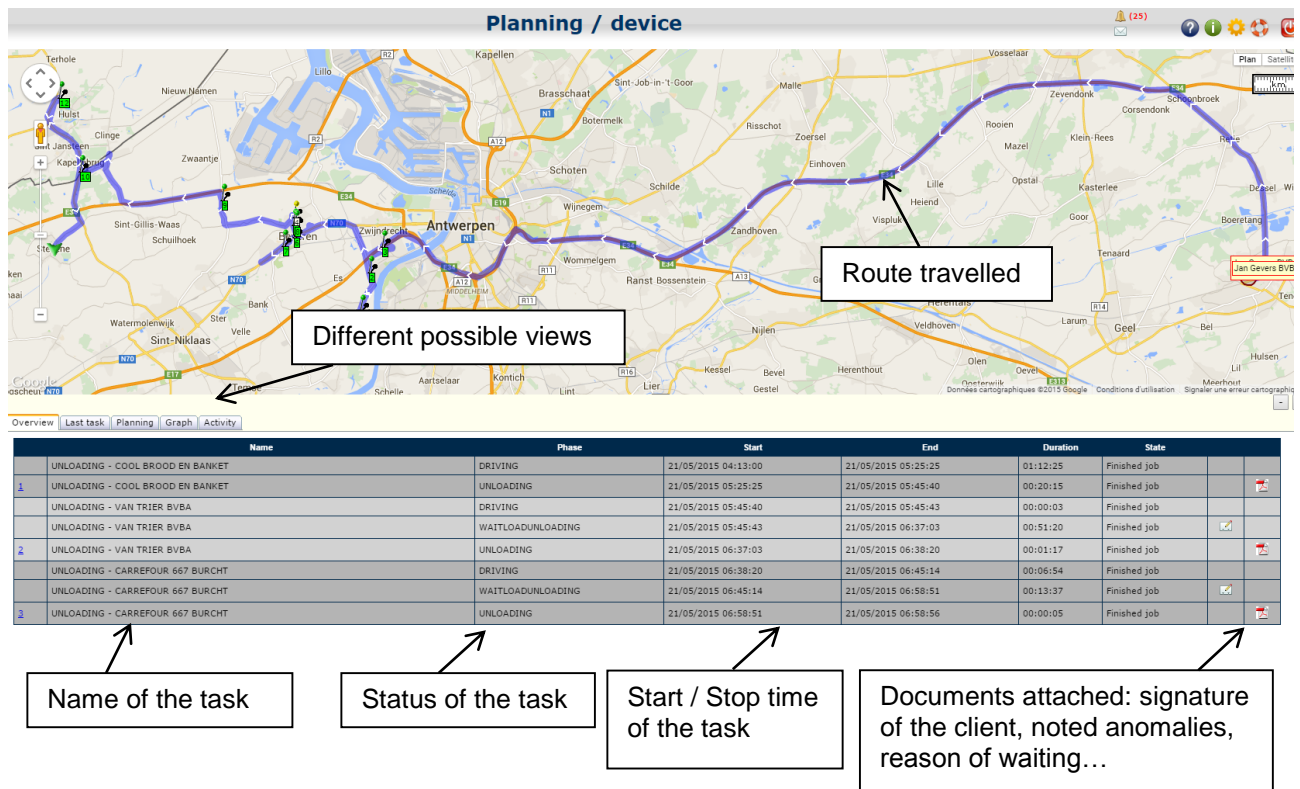


The screenshot shows a mobile application menu with the following sections:

- Administration**
- Dispatching**
- Alerts (4)**
- Map
- Messenger
- Planning / device** (circled in red)
- Global planning overview
- Reporting**
- Custom menu**
- Target**
 - Device
 - MISSION NUMBER
- Dates**
 - Current planning
 - Future planning
 - Today
 - From date
- Send

Overview tab:

Gives an overview of all closed tasks from a mobile device – so no information on the current task which is given in the tab: "Last task".



The screenshot shows the 'Planning / device' overview tab with a map and a table of tasks.

Map: Shows a route travelled through Antwerpen and surrounding areas. A callout box points to the route with the text "Route travelled".

Table: Shows a list of tasks with columns: Name, Phase, Start, End, Duration, State, and Documents. A callout box points to the table with the text "Different possible views".

Name	Phase	Start	End	Duration	State	Documents
UNLOADING - COOL BROOD EN BANKET	DRIVING	21/05/2015 04:13:00	21/05/2015 05:25:25	01:12:25	Finished job	
UNLOADING - COOL BROOD EN BANKET	UNLOADING	21/05/2015 05:25:25	21/05/2015 05:45:40	00:20:15	Finished job	
UNLOADING - VAN TRIER BVBA	DRIVING	21/05/2015 05:45:40	21/05/2015 05:45:43	00:00:03	Finished job	
UNLOADING - VAN TRIER BVBA	WAITLOADUNLOADING	21/05/2015 05:45:43	21/05/2015 06:37:03	00:51:20	Finished job	
UNLOADING - VAN TRIER BVBA	UNLOADING	21/05/2015 06:37:03	21/05/2015 06:38:20	00:01:17	Finished job	
UNLOADING - CARREFOUR 667 BURCHT	DRIVING	21/05/2015 06:38:20	21/05/2015 06:45:14	00:06:54	Finished job	
UNLOADING - CARREFOUR 667 BURCHT	WAITLOADUNLOADING	21/05/2015 06:45:14	21/05/2015 06:58:51	00:13:37	Finished job	
UNLOADING - CARREFOUR 667 BURCHT	UNLOADING	21/05/2015 06:58:51	21/05/2015 06:58:56	00:00:05	Finished job	

Callouts for the table:

- Name of the task
- Status of the task
- Start / Stop time of the task
- Documents attached: signature of the client, noted anomalies, reason of waiting...


The line will appear in:

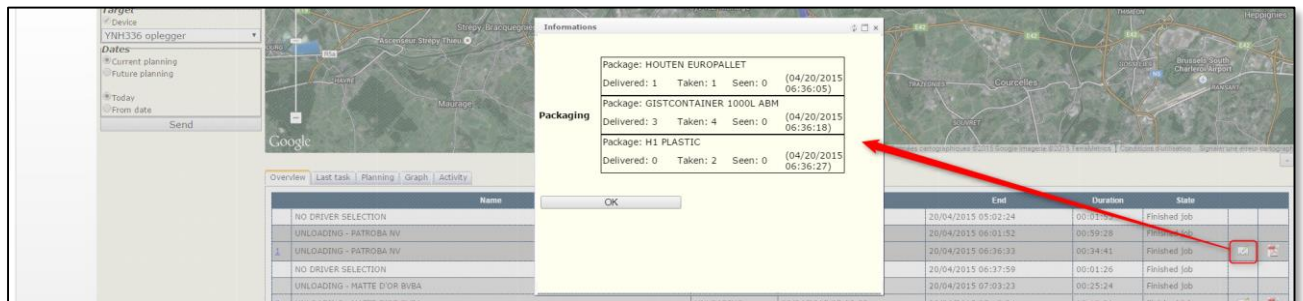
- grey for "WORKING" tasks (LOADING / UNLOADING / WAITLOADUNLOADING / ...)
- red when the task is either Aborted or Anomalied
- white when the task is not considered as "WORKING" (resting / sleeping / undefined ...) or when it is a (UN)LOADING at HQ task

By clicking on the number in the first column, the map zoom on the route part between this particular stop and the previous one.

When moving the mouse on the name of the task or clicking on it, you will have additional information about the related JOB (information received from your B.O. and customized).




By clicking on , one might have customized additional information e.g. picked up returnable packaging (if option purchased) as a pop-up window.



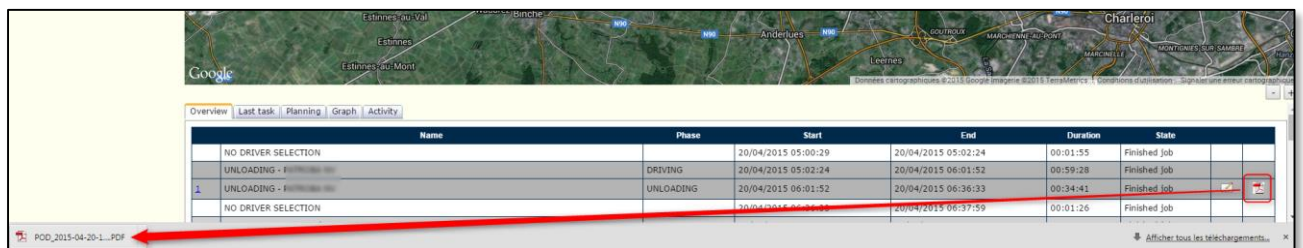
The screenshot shows a task list with columns for Name, Start, End, Duration, and State. A red arrow points from the 'POD' icon in the 'UNLOADING - PATRIBA RV' task row to the 'Informations' pop-up window. The 'Informations' window displays packaging details:

Package	Delivered	Taken	Seen	Date/Time
HOUITEN EUROPALLET	1	1	0	04/20/2015 06:36:05
GISTCONTAINER 1000L ABM	3	4	0	04/20/2015 06:36:18
H1 PLASTIC	0	2	0	04/20/2015 06:36:27



By clicking on  (little PDF icon), a PDF file is downloaded with customized information about this JOB: explanation, pictures related to the JOB, signature of the customer...

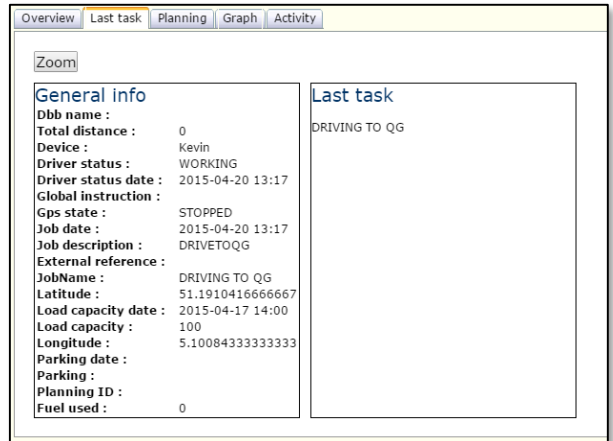
If POD module has been purchased, we might configure this pdf file to represent the POD (proof of delivery) that you can further send to the recipients of the delivered goods (for automating this process, please contact your project manager).



The screenshot shows a task list with columns for Name, Phase, Start, End, Duration, and State. A red arrow points from the PDF icon in the 'UNLOADING - PATRIBA RV' task row to the download button. The download button is labeled 'POD_2015-04-20-1...PDF'.

Last task tab:

gives general information about the last/current task of chosen mobile device:



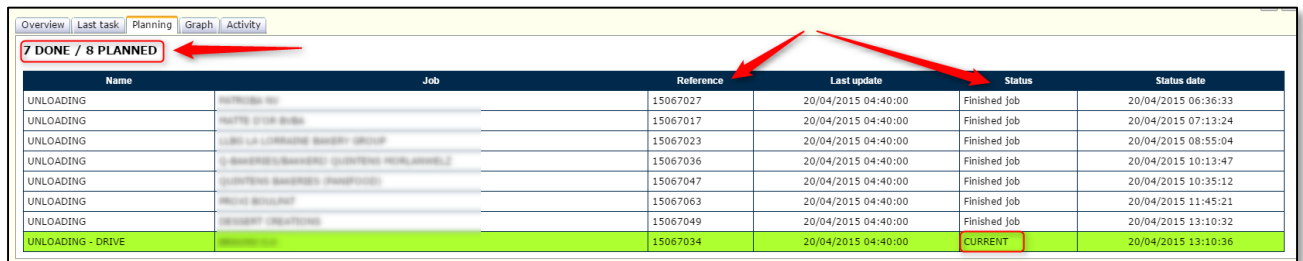
Overview | Last task | Planning | Graph | Activity

Zoom

General info		Last task
Dbb name :		DRIVING TO QG
Total distance :	0	
Device :	Kevin	
Driver status :	WORKING	
Driver status date :	2015-04-20 13:17	
Global instruction :		
Gps state :	STOPPED	
Job date :	2015-04-20 13:17	
Job description :	DRIVETOQG	
External reference :		
JobName :	DRIVING TO QG	
Latitude :	51.1910416666667	
Load capacity date :	2015-04-17 14:00	
Load capacity :	100	
Longitude :	5.10084333333333	
Parking date :		
Parking :		
Planning ID :		
Fuel used :	0	

Planning tab:

is a summary of current planning for the considered mobile device. It lists the different JOBS and their status and the time this status has been sent.



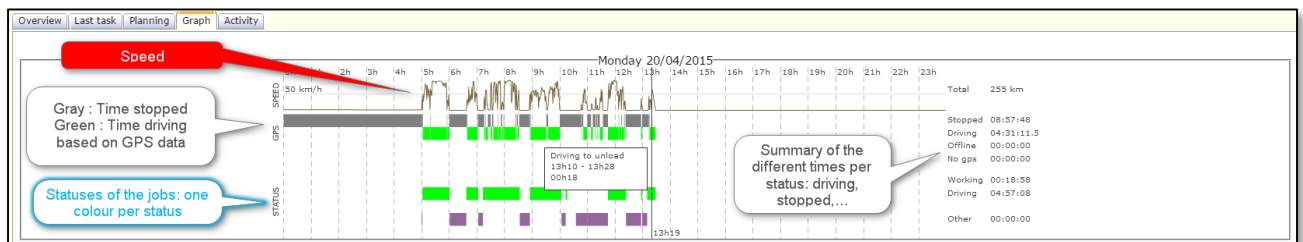
Overview | Last task | Planning | Graph | Activity

7 DONE / 8 PLANNED

Name	Job	Reference	Last update	Status	Status date
UNLOADING	UNLOADING	15067027	20/04/2015 04:40:00	Finished job	20/04/2015 06:36:33
UNLOADING	UNLOADING	15067017	20/04/2015 04:40:00	Finished job	20/04/2015 07:13:24
UNLOADING	UNLOADING	15067023	20/04/2015 04:40:00	Finished job	20/04/2015 08:55:04
UNLOADING	UNLOADING	15067036	20/04/2015 04:40:00	Finished job	20/04/2015 10:13:47
UNLOADING	UNLOADING	15067047	20/04/2015 04:40:00	Finished job	20/04/2015 10:35:12
UNLOADING	UNLOADING	15067063	20/04/2015 04:40:00	Finished job	20/04/2015 11:45:21
UNLOADING	UNLOADING	15067049	20/04/2015 04:40:00	Finished job	20/04/2015 13:10:32
UNLOADING - DRIVE	UNLOADING - DRIVE	15067034	20/04/2015 04:40:00	CURRENT	20/04/2015 13:10:36

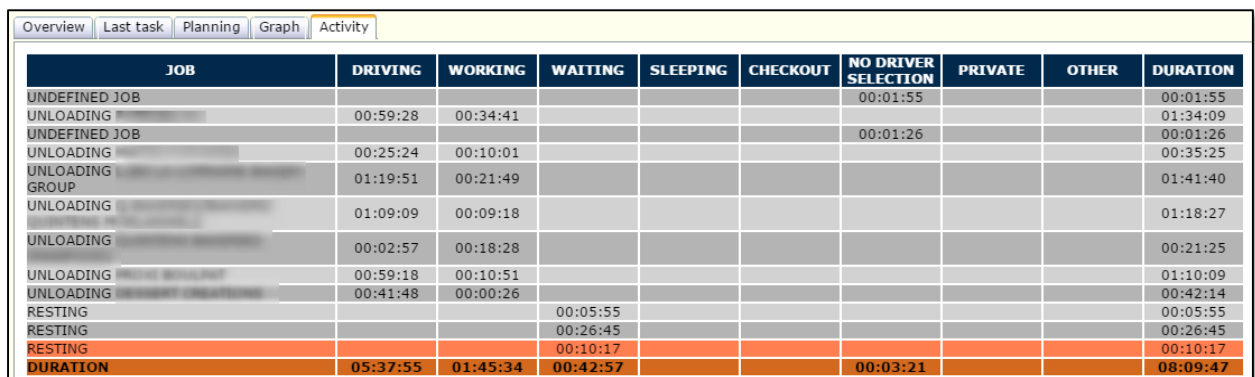
Graph tab:

The Graph tab allows you to have a graphical view on the progression of the planning.



Activity tab:

gives a tabular view of the activity linked to the PDA (could be used by HR dpt)

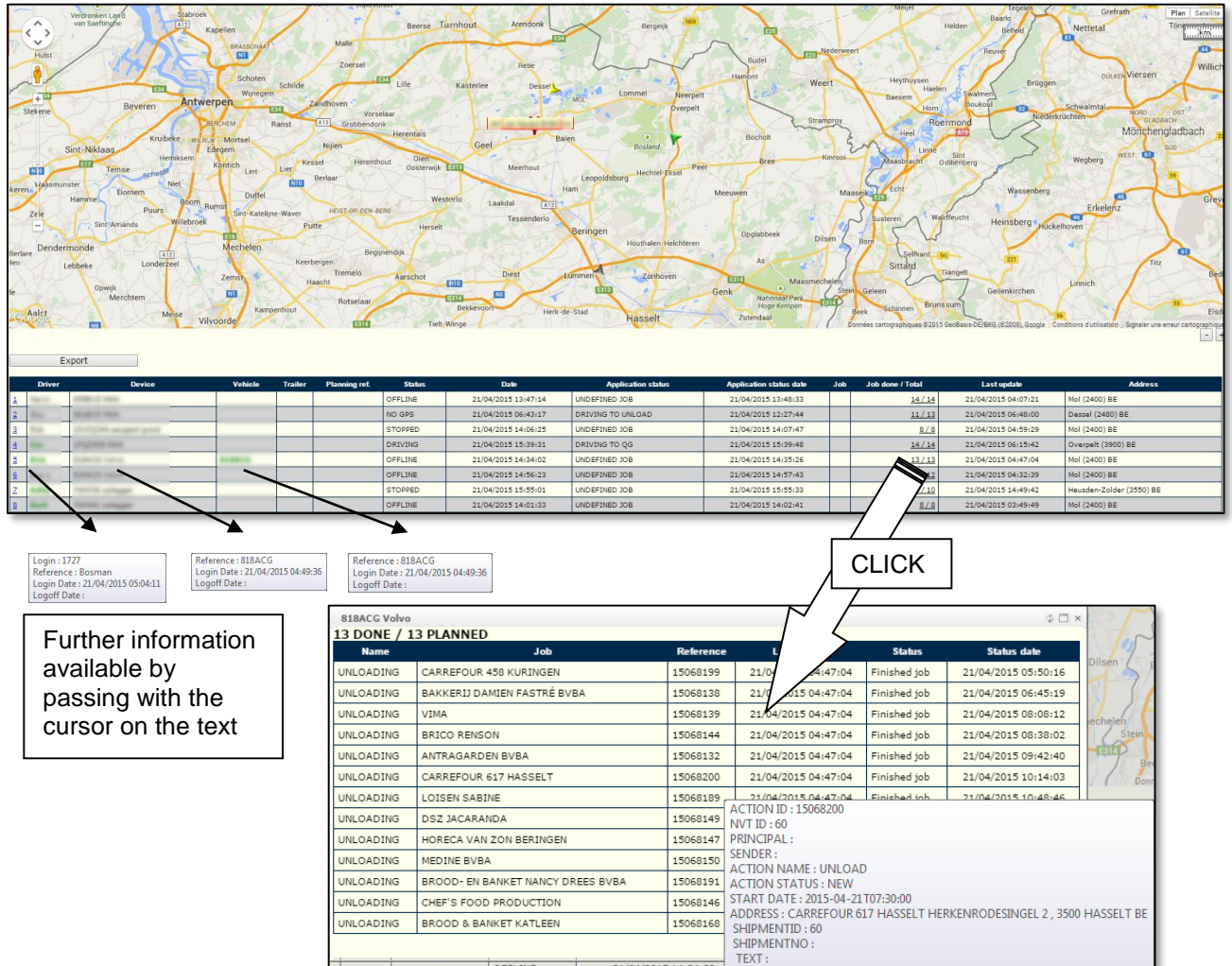


Overview | Last task | Planning | Graph | Activity

JOB	DRIVING	WORKING	WAITING	SLEEPING	CHECKOUT	NO DRIVER SELECTION	PRIVATE	OTHER	DURATION
UNDEFINED JOB						00:01:55			00:01:55
UNLOADING	00:59:28	00:34:41							01:34:09
UNDEFINED JOB						00:01:26			00:01:26
UNLOADING	00:25:24	00:10:01							00:35:25
UNLOADING GROUP	01:19:51	00:21:49							01:41:40
UNLOADING	01:09:09	00:09:18							01:18:27
UNLOADING	00:02:57	00:18:28							00:21:25
UNLOADING	00:59:18	00:10:51							01:10:09
UNLOADING	00:41:48	00:00:26							00:42:14
RESTING			00:05:55						00:05:55
RESTING			00:26:45						00:26:45
RESTING			00:10:17						00:10:17
DURATION	05:37:55	01:45:34	00:42:57			00:03:21			08:09:47

9.5. Global Planning overview – only for mobile framework

This report permits to have a synthetic view of the whole fleet and the status of deliveries at one glance:



Driver	Device	Vehicle	Trailer	Planning ref.	Status	Date	Application status	Application status date	Job	Job done / Total	Last update	Address
1					OFFLINE	21/04/2015 13:47:14	UNDEFINED JOB	21/04/2015 13:48:33		14 / 14	21/04/2015 04:07:21	Mol (2400) BE
2					NO GPS	21/04/2015 06:43:17	DRIVING TO UNLOAD	21/04/2015 12:27:44		11 / 13	21/04/2015 06:48:00	Dassel (2460) BE
3					STOPPED	21/04/2015 14:06:25	UNDEFINED JOB	21/04/2015 14:07:47		8 / 8	21/04/2015 04:59:29	Mol (2400) BE
4					DRIVING	21/04/2015 15:39:31	DRIVING TO QG	21/04/2015 15:39:48		14 / 14	21/04/2015 06:15:42	Overpelt (3900) BE
5					OFFLINE	21/04/2015 14:34:02	UNDEFINED JOB	21/04/2015 14:35:26		13 / 13	21/04/2015 04:47:04	Mol (2400) BE
6					OFFLINE	21/04/2015 14:36:23	UNDEFINED JOB	21/04/2015 14:57:43		12 / 12	21/04/2015 04:32:39	Mol (2400) BE
7					STOPPED	21/04/2015 15:55:01	UNDEFINED JOB	21/04/2015 15:55:33		10 / 10	21/04/2015 14:49:42	Hausden-Zolder (3550) BE
8					OFFLINE	21/04/2015 14:01:33	UNDEFINED JOB	21/04/2015 14:02:41		8 / 8	21/04/2015 03:49:49	Mol (2400) BE

Login : 1727
Reference : Booman
Login Date : 21/04/2015 05:04:11
Logout Date :

Reference : 818ACG
Login Date : 21/04/2015 04:49:36
Logout Date :

Reference : 818ACG
Login Date : 21/04/2015 04:49:36
Logout Date :

Further information available by passing with the cursor on the text

Name	Job	Reference	Status	Status date
UNLOADING	CARREFOUR 458 KURINGEN	15068199	Finished job	21/04/2015 05:50:16
UNLOADING	BAKKERIJ DAMIEN FASTRE BVBA	15068138	Finished job	21/04/2015 06:45:19
UNLOADING	VIMA	15068139	Finished job	21/04/2015 08:08:12
UNLOADING	BRICO RENSON	15068144	Finished job	21/04/2015 08:38:02
UNLOADING	ANTRAGARDEN BVBA	15068132	Finished job	21/04/2015 09:42:40
UNLOADING	CARREFOUR 617 HASSELT	15068200	Finished job	21/04/2015 10:14:03
UNLOADING	LOISEN SABINE	15068189	Finished job	21/04/2015 10:48:46
UNLOADING	DSZ JACARANDA	15068149		
UNLOADING	HORECA VAN ZON BERINGEN	15068147		
UNLOADING	MEDINE BVBA	15068150		
UNLOADING	BROOD - EN BANKET NANCY DREES BVBA	15068191		
UNLOADING	CHEF'S FOOD PRODUCTION	15068146		
UNLOADING	BROOD & BANKET KATLEEN	15068168		

- Click on the number in first column will force a zoom on the map on the specified device
- Driver in the second column is the one who is currently logged in on the specified device (bold, green), or the one who logged in last (black).
- Device appears on the third column
- If the driver has to enter a trailer or vehicle on the mobile device, these will appear in the following columns
- The next columns give informations about the current GPS statuses and activities.
- A click on the number of tasks done give an overview of the current planning for this specific device.

An auto-refresh has been put on the page in order to have the latest data available. You can force the refresh with a click on the “SEND” button.

For the one who prepare plannings in advance, you can control them with a click on “future plannings” on the left side.

10 Reporting

By clicking 'Reporting' a dropdown menu appears.

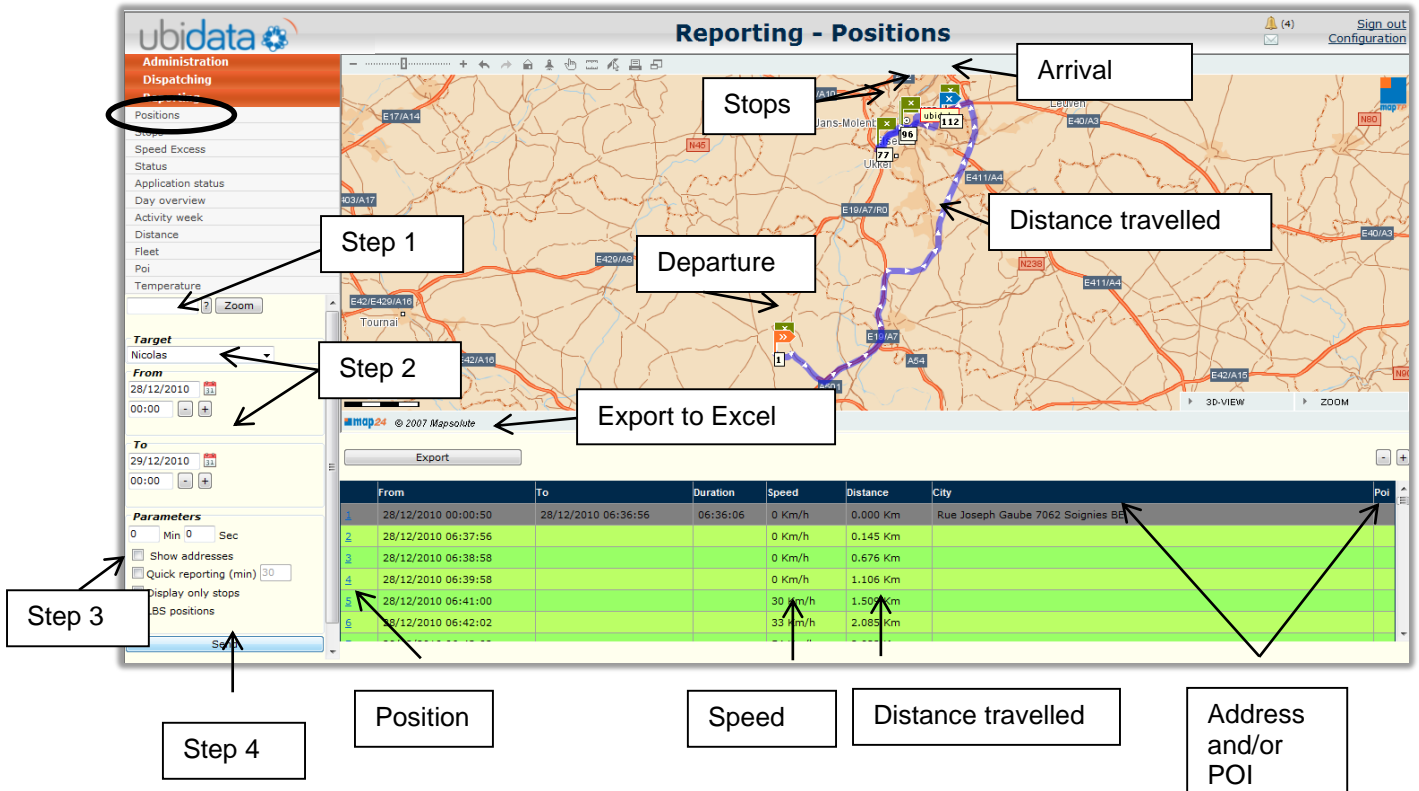
This menu allows you to pull reports on activities of your fleet and/or driver(s). These reports can be exported to Excel spread sheets or can be integrated in your back office (after integration work of Ubidata)

NB : depending on the installed telematics solutions this menu can be more or less elaborate.

Administration	
Dispatching	
Reporting	
Positions	<i>Report on the positions of a vehicle</i>
Stops	<i>Report on the stops of a vehicle</i>
Speed Excess	<i>Report on the speed excess</i>
Application event	<i>Report on the application events</i>
Trip Overview	<i>Report on current trip</i>
Activity week	<i>Report on the week activity</i>
Distance	<i>Report on the distance traveled</i>
Fleet	<i>Report on the whole fleet (or a group of vehicles)</i>
Poi	<i>Report on the positioning close to a POI</i>
Temperature	<i>Report on the temperature monitoring</i>
Login	<i>Report on LOGIN</i>
Messages	<i>Report on messages between a specific driver and the dispatcher</i>
Custom menu	

10.1. Positions of a device

This report provides a detailed overview on the different positions of one single device (mobile or telematic) on a given period of time.



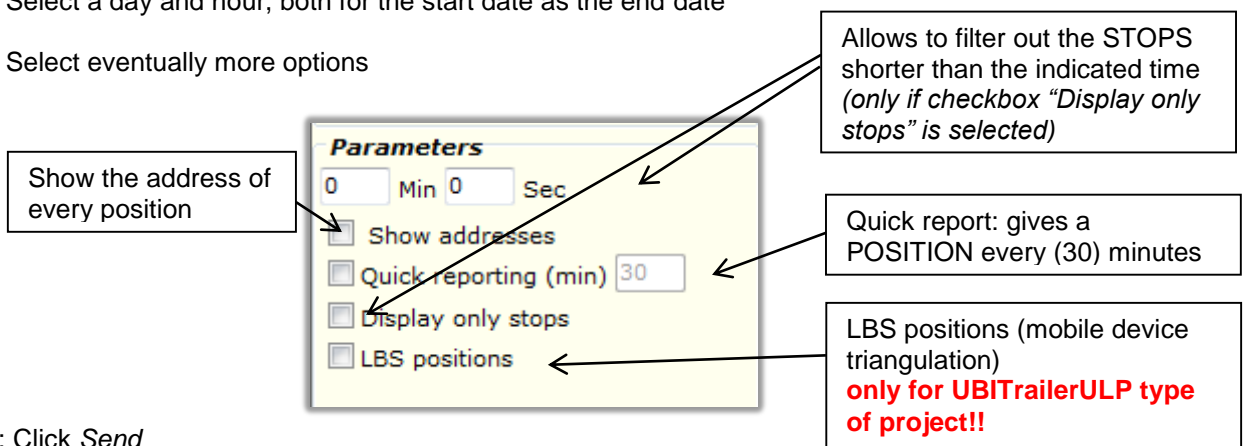
The screenshot shows the 'Reporting - Positions' interface. On the left, a sidebar contains navigation options: Administration, Dispatching, Positions (circled), Stop, Speed Excess, Status, Application status, Day overview, Activity week, Distance, Fleet, Poi, and Temperature. Below this is a 'Target' section for 'Nicolas' with 'From' and 'To' date/time pickers. A 'Parameters' section includes checkboxes for 'Show addresses', 'Quick reporting (min) 30', 'Display only stops', and 'BS positions'. The main area features a map with a blue path and a table below it. Annotations include: 'Step 1' pointing to the 'Positions' menu; 'Step 2' pointing to the date/time pickers; 'Step 3' pointing to the 'Parameters' section; 'Step 4' pointing to the 'Send' button. Other annotations include 'Arrival', 'Stops', 'Departure', 'Distance travelled', 'Export to Excel', and labels for 'Position', 'Speed', 'Distance travelled', and 'Address and/or POI' pointing to specific data in the table.

	From	To	Duration	Speed	Distance	City	Poi
1	28/12/2010 00:00:50	28/12/2010 06:36:56	06:36:06	0 Km/h	0,000 Km	Rue Joseph Gaube 7062 Soignies BE	
2	28/12/2010 06:37:56			0 Km/h	0,145 Km		
3	28/12/2010 06:38:58			0 Km/h	0,676 Km		
4	28/12/2010 06:39:58			0 Km/h	1,106 Km		
5	28/12/2010 06:41:00			30 Km/h	1,500 Km		
6	28/12/2010 06:42:02			33 Km/h	2,065 Km		

Step 1: Select a device from the list

Step 2: Select a day and hour, both for the start date as the end date

Step 3: Select eventually more options







The 'Parameters' section is shown with the following options and annotations:

- Show addresses: Shows the address of every position.
- Quick reporting (min) 30: Quick report: gives a POSITION every (30) minutes.
- Display only stops: Allows to filter out the STOPS shorter than the indicated time (only if checkbox "Display only stops" is selected).
- LBS positions: LBS positions (mobile device triangulation) only for UBITrailerULP type of project!!

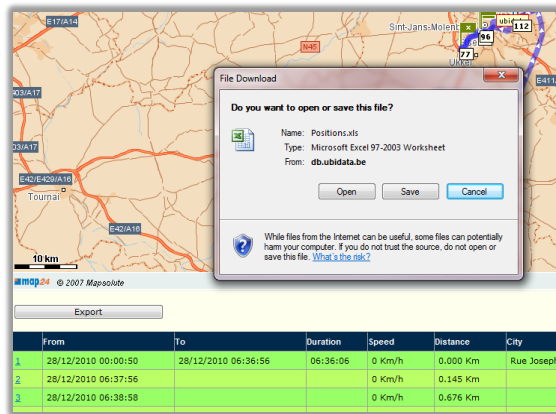
Step 4: Click Send

By clicking on the number of a position, the map zooms in on this position.

Legend of the map :

-  Departure
-  Stop
-  Arrival
-  Zoom in on a position

The report can be exported to Excel via the button *Export*.



In the POI column, you will be able to read if the device came close to a known POI (default value set to a zone of 1 km around the POI).

If another value is needed, please contact UBIDATA support and provide the real distance you want to consider.

The device may have approached several POIs, it will then show the relative distances from each POI.

ETH VZW (0.42 Km)	BETH (0.33 Km)	BVBA (0.68 Km)
(0.89 Km) MOESKOPS AD (0.67 Km)	OUT (0.86 Km)	
BETH (0.70 Km)	LEI (0.91 Km)	OUT (0.96 Km)

10.2. Stops of a device / DRIVER

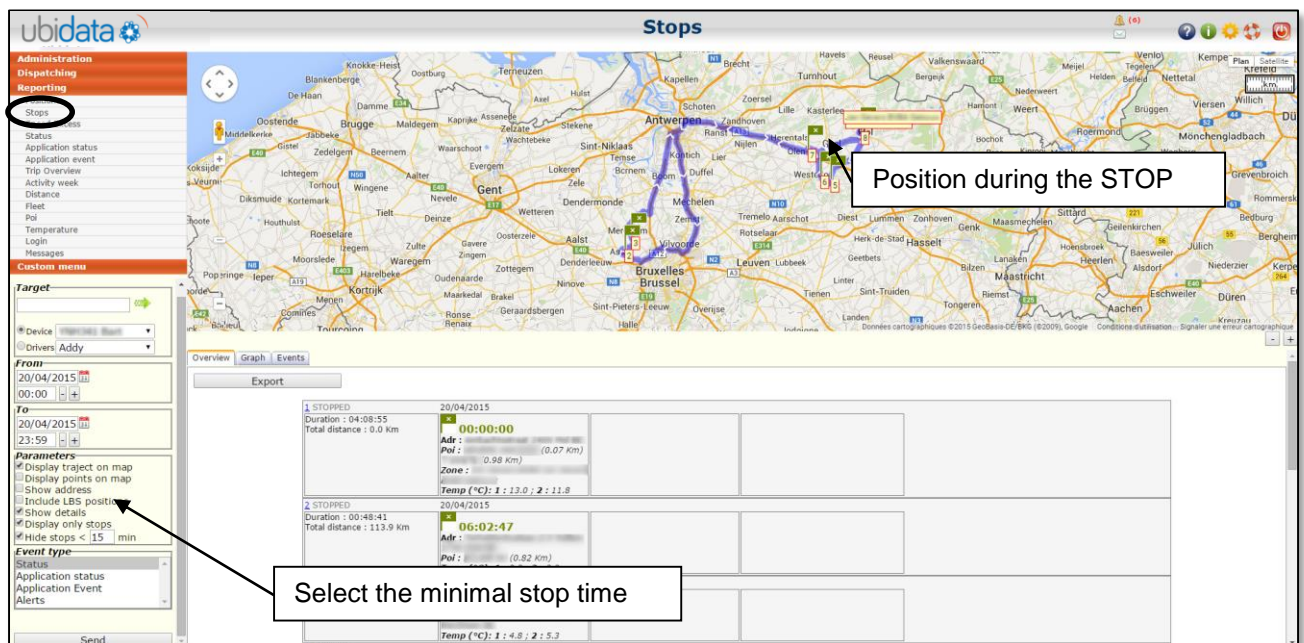
This report allows you to detect the STOPS of a telematic or a mobile device.

The filter option enable to filter on the device name or on a DRIVER name that has logged in on a mobile device.

You might choose to hide or not the trajectory/points/addresses on map.

Include LBS positions is only interesting when there is a lack of GPS data (no connection for a long period of time). Indeed, the system retains the GPRS positioning and can triangulate a position, but this value is not as precise as the satellite positioning.

Every stop, which is at least equal to the entered time (Hide stops <), is displayed on the map and detailed in the Overview tab.



Stops

Administration
Dispatching
Reporting
Stops
Status
Application status
Application event
Trip Overview
Activity week
Distance
Fleet
Pool
Temperature
Login
Messages

Custom menu
Target
Device
Drivers Addy

From: 20/04/2015 00:00
To: 20/04/2015 23:59

Parameters
 Display trajectory on map
 Display points on map
 Show address
 Include LBS positions
 Show details
 Display only stops
 Hide stops < 15 min

Event type
Status
Application status
Application Event
Alerts

Overview Graph Events
Export

STOPPED	20/04/2015	00:00:00	Adr : (0.07 Km)	Zone : (0.98 Km)	Temp (°C) : 1 : 13.0 ; 2 : 11.8
1 STOPPED	20/04/2015	06:02:47	Adr : (0.82 Km)		
					Temp (°C) : 1 : 4.8 ; 2 : 5.3

Select the minimal stop time

Show details will report on the "Event" tab all details requested in "Parameters".

Include LBS positions	Show details	Display only stops	Hide stops < 0 min	Event type	Status	Application status	Application Event	Alerts
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	25	20/04/2015 04:30:45	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	26	20/04/2015 04:30:46	APPLICATION EVENT	TK_ZONE_1_ON	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	26	20/04/2015 04:31:42	APPLICATION EVENT	DOOR_CONTACT_CLOSED	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	27	20/04/2015 04:31:47	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	28	20/04/2015 04:32:08	APPLICATION EVENT	TK_ALARM_ON	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	28	20/04/2015 04:32:47	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	29	20/04/2015 04:33:47	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	447	20/04/2015 12:23:56	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	448	20/04/2015 12:24:56	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	449	20/04/2015 12:25:56	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	450	20/04/2015 12:26:29	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	451	20/04/2015 12:26:33	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	452	20/04/2015 13:00:06	POSITION	GPS	
<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>		20/04/2015 13:10:13	ALERT		stop meer dan 1 uur

Be careful when choosing the Parameters in order to choose the relevant parameter for chosen device !! (a mobile device will not render information about door contact and a telematic device will not render information about GOODS handling like LOADING operations). It is currently not foreseen to split these statuses/events.

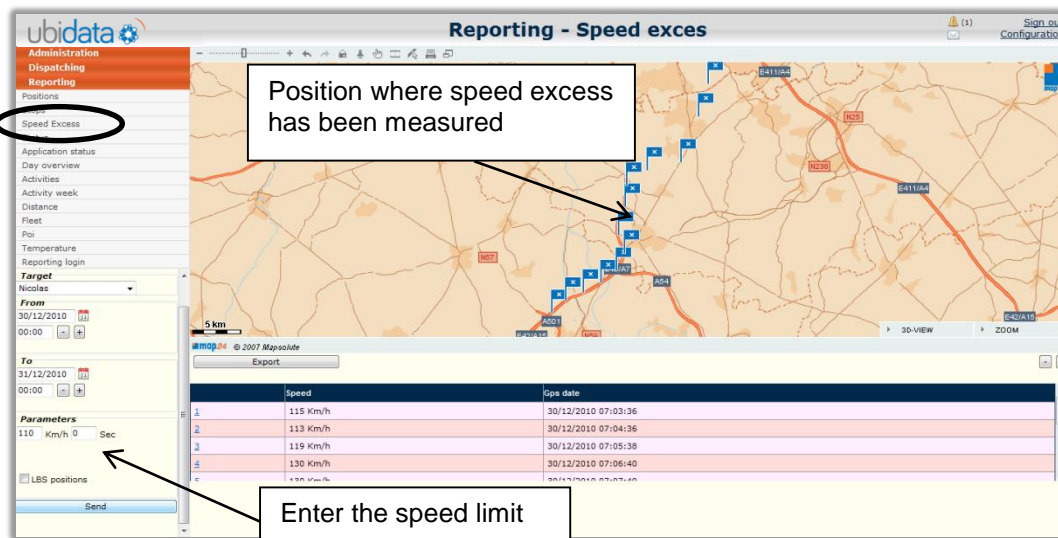
10.3. Report on the Speed Excess

This report allows you to detect the excessive speeds for a given device. Every excess of the entered speed limit is displayed on the map and detailed in the list below.

You need to enter:

- The device you want to control
- The period which over you want a report
- The speed limit which should not be exceeded

When you click on the number in the first column, the map will zoom on the selected point and the address will be displayed.



	Speed	Gps date
1	115 Km/h	30/12/2010 07:03:36
2	113 Km/h	30/12/2010 07:04:36
3	119 Km/h	30/12/2010 07:05:38
4	130 Km/h	30/12/2010 07:06:40
5	130 Km/h	30/12/2010 07:07:40

Remember that it is possible to define an alert rule based on speed limit on a single or a group of devices (please refer to the Menu: Administration/Alert rules). You will then be able to generate more reports about speed excess through the reportings about alert rules.

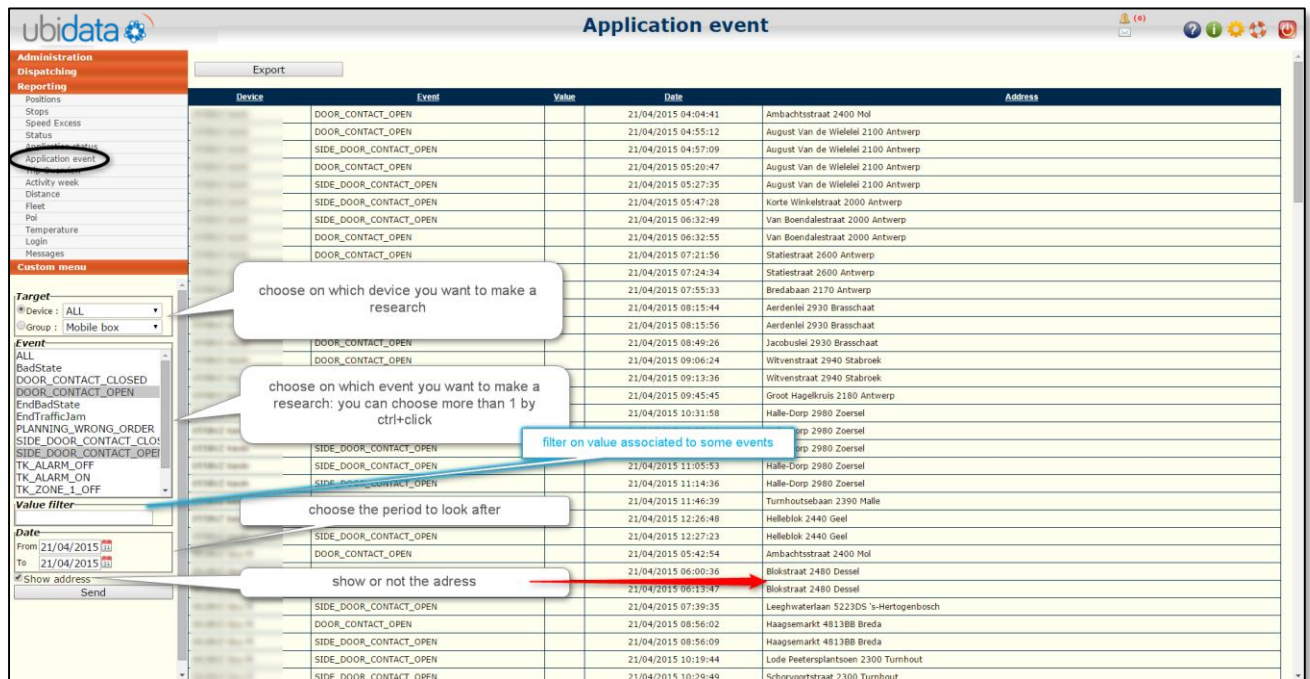
If you need further assistance, please contact support@ubidata.com

10.4. Report on the application events

This report allows you to display when and where an event has taken place. Remember, an event is a situation that might be critical for you and that you want to monitor (KPI).

To display all or part of application events, you have to select a target (one device or a group of devices), one, multiple or all events and a period.

In addition, you can also filter on the value associated to the event (this value is not completed for all events).



The screenshot shows the 'Application event' report interface. The left sidebar contains navigation menus: Administration, Dispatching, Reporting, Positions, Stops, Speed Excess, Status, Application event (circled), Activity week, Distance, Fleet, Pal, Temperature, Login, Messages, and Custom menu. The 'Reporting' menu is expanded, showing 'Target' (Device: ALL, Group: Mobile box), 'Event' (ALL, DOOR_CONTACT_CLOSED, DOOR_CONTACT_OPEN, EndBadState, EndTrafficJam, PLANNING_WRONG_ORDER, SIDE_DOOR_CONTACT_CLOSED, SIDE_DOOR_CONTACT_OPEN, TK_ALARM_OFF, TK_ALARM_ON, TK_ZONE_1_OFF), 'Value filter', and 'Date' (From: 21/04/2015, To: 21/04/2015). The main table has columns: Device, Event, Value, Date, and Address. Annotations include: 'choose on which device you want to make a research' pointing to the 'Device' dropdown; 'choose on which event you want to make a research: you can choose more than 1 by ctrl+click' pointing to the 'Event' list; 'filter on value associated to some events' pointing to the 'Value filter' field; 'choose the period to look after' pointing to the 'Date' range; and 'show or not the adress' pointing to the 'Show address' checkbox.

Device	Event	Value	Date	Address
	DOOR_CONTACT_OPEN		21/04/2015 04:04:41	Ambachtstraat 2400 Mol
	DOOR_CONTACT_OPEN		21/04/2015 04:55:12	August Van de Wielelel 2100 Antwerp
	SIDE_DOOR_CONTACT_OPEN		21/04/2015 04:57:09	August Van de Wielelel 2100 Antwerp
	DOOR_CONTACT_OPEN		21/04/2015 05:20:47	August Van de Wielelel 2100 Antwerp
	SIDE_DOOR_CONTACT_OPEN		21/04/2015 05:27:35	August Van de Wielelel 2100 Antwerp
	SIDE_DOOR_CONTACT_OPEN		21/04/2015 05:47:28	Korte Winkelstraat 2000 Antwerp
	SIDE_DOOR_CONTACT_OPEN		21/04/2015 06:32:49	Van Boendalestraat 2000 Antwerp
	DOOR_CONTACT_OPEN		21/04/2015 06:32:55	Van Boendalestraat 2000 Antwerp
	DOOR_CONTACT_OPEN		21/04/2015 07:21:56	Statiestraat 2600 Antwerp
			21/04/2015 07:24:34	Statiestraat 2600 Antwerp
			21/04/2015 07:55:33	Bredabaan 2170 Antwerp
			21/04/2015 08:15:44	Aerdenlel 2930 Brasschaat
			21/04/2015 08:15:56	Aerdenlel 2930 Brasschaat
	DOOR_CONTACT_OPEN		21/04/2015 08:49:26	Jacobuslel 2930 Brasschaat
			21/04/2015 09:06:24	Witvenstraat 2940 Stabroek
			21/04/2015 09:13:36	Witvenstraat 2940 Stabroek
			21/04/2015 09:45:45	Groot Hagelkruis 2180 Antwerp
			21/04/2015 10:31:58	Halle-Dorp 2980 Zoersel
				erp 2980 Zoersel
				erp 2980 Zoersel
			21/04/2015 11:05:53	Halle-Dorp 2980 Zoersel
			21/04/2015 11:14:36	Halle-Dorp 2980 Zoersel
			21/04/2015 11:46:39	Turnhoutsebaan 2390 Malle
			21/04/2015 12:26:48	Helloblok 2440 Geel
			21/04/2015 12:27:23	Helloblok 2440 Geel
	SIDE_DOOR_CONTACT_OPEN		21/04/2015 05:42:54	Ambachtstraat 2400 Mol
	DOOR_CONTACT_OPEN		21/04/2015 06:00:36	Blokstraat 2480 Dessel
			21/04/2015 06:13:47	Blokstraat 2480 Dessel
	SIDE_DOOR_CONTACT_OPEN		21/04/2015 07:39:35	Leeghwatelaan 5223DS 's-Hertogenbosch
	DOOR_CONTACT_OPEN		21/04/2015 08:56:02	Haagsemarkt 4813BB Breda
	SIDE_DOOR_CONTACT_OPEN		21/04/2015 08:56:09	Haagsemarkt 4813BB Breda
	SIDE_DOOR_CONTACT_OPEN		21/04/2015 10:19:44	Lode Peetersplantsoen 2300 Turnhout
	SIDE_DOOR_CONTACT_OPEN		21/04/2015 10:29:49	Schorvoortstraat 2300 Turnhout

This report can be exported automatically, please contact your project manager in order to get an offer.

10.5. Trip overview

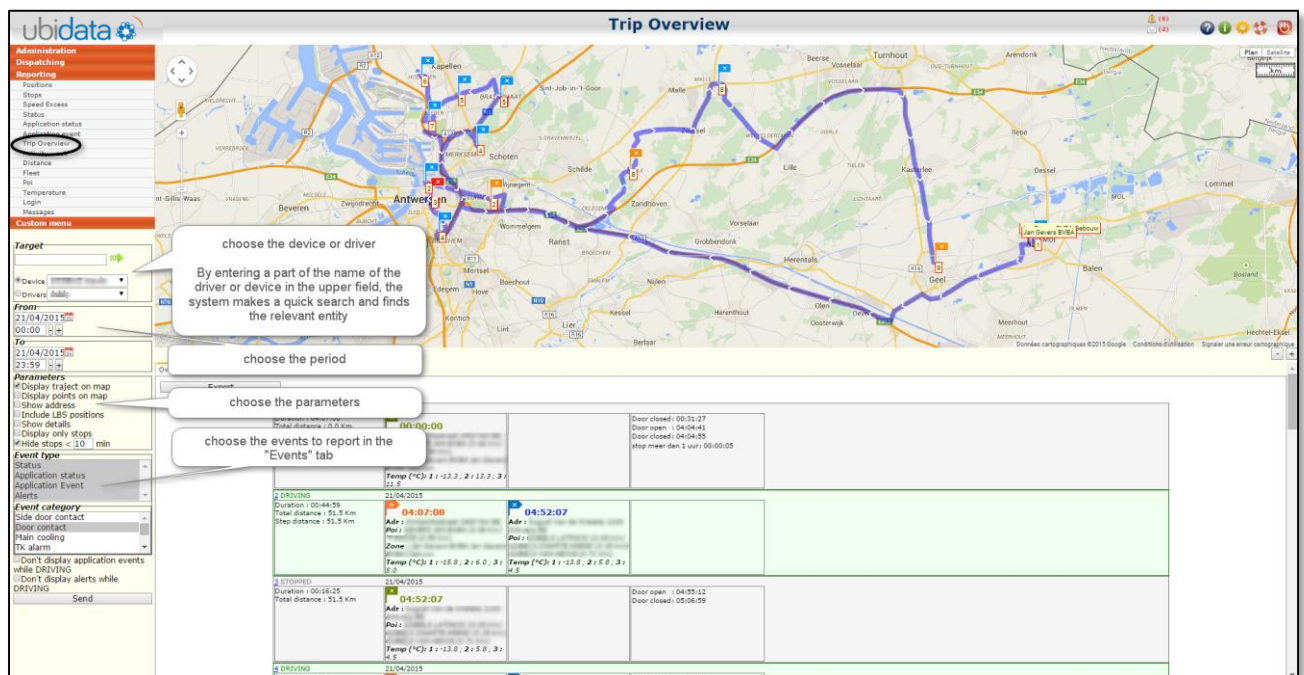
This report allows you to make a detailed analysis of the route of one vehicle or one mobile device (or driver logged in on a mobile device) over a given period.

It gives not only the STOPS and driving phases but all events that happened during the journey.

Take into account the type of device (telematics or mobile) on which you make your research in order to properly choose the parameters.

Filters:

- Choose to filter by device or driver
- Choose the period you want to extract
- Choose the parameters that are of interest
Note that positions can be GPS or LBS.
A LBS is useful when no satellite is available and no position is reported over a long period (e.g. for "GET-IT" devices). Then, one might use the less precise LBS positioning method (triangulation over GSM antennas).
- Choose the type of event you want to extract (will be shown in the Event tab)



Event type	Duration	Total distance	Stop distance	Temp (°C)	Door open	Door closed
DRIVING	00:44:59	51,5 km	15,5 km	11,8	04:07:08	04:52:07
STOPPED	00:16:25	15,5 km	-	16,5	04:52:07	04:55:12

Overview:

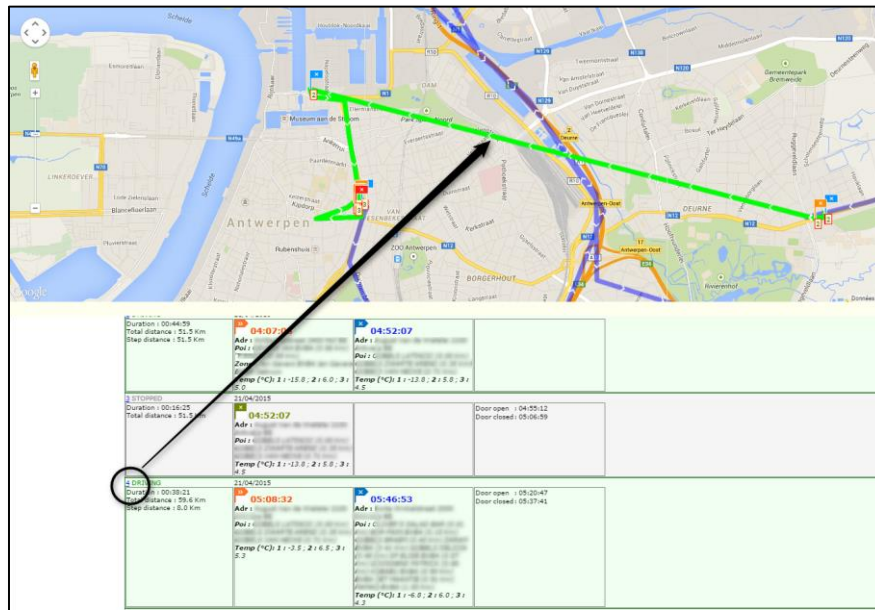
In this tab (= default tab) each segment (between two stops) is displayed on the map and detailed in the list below, with the following information:

- Date and address of the start of the section, as well as the POI(s) and the geofencing zone(s) nearby.
- Date and address of the end of the section (for period during which it was 'driving'), as well as the POI(s) and the geofencing zone(s) nearby.

+32 2 793 77 78

- The duration of the section
- The distance travelled during the section
- The total distance travelled since the beginning of the route
- The average speed of the section

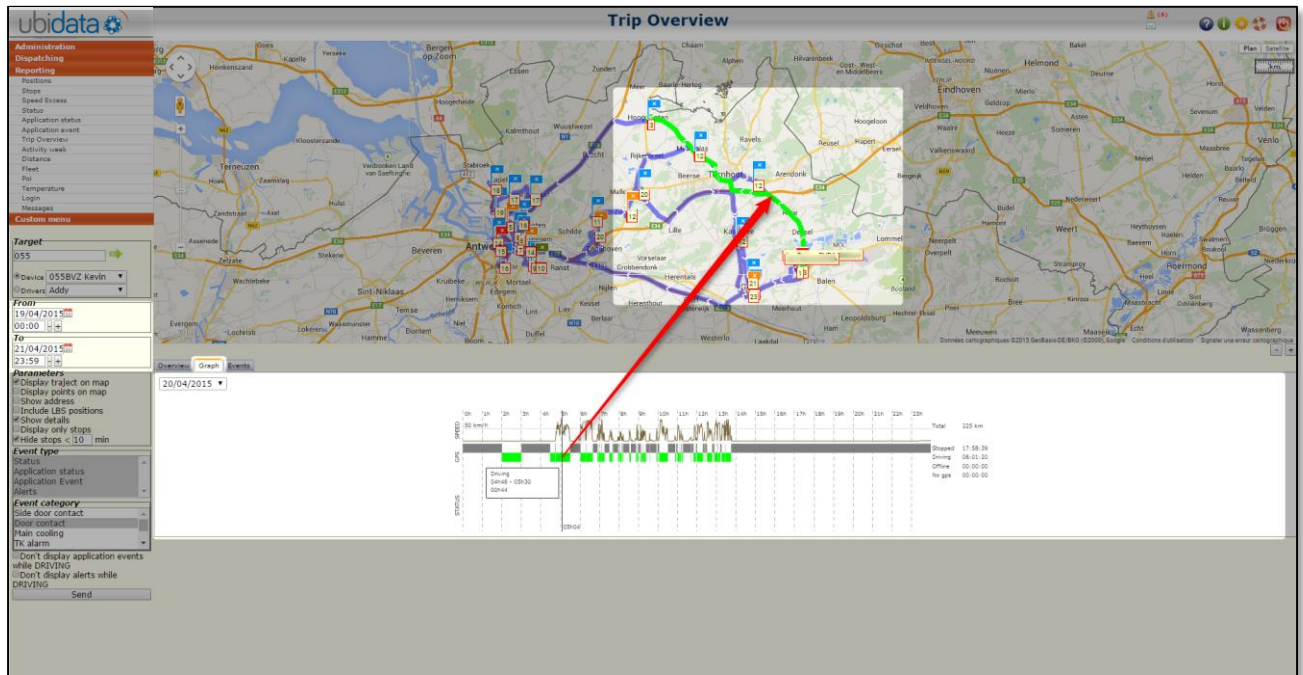
By clicking on the number (of a segment of the route), this part is marked on the map:



Graph:

Via the **Graph** tab a summary is shown in a graphical way.

By clicking on a segment of the route (in green the 'driving' parts, in gray the moments he is stopped) this part of the route is marked on the map:



Events:

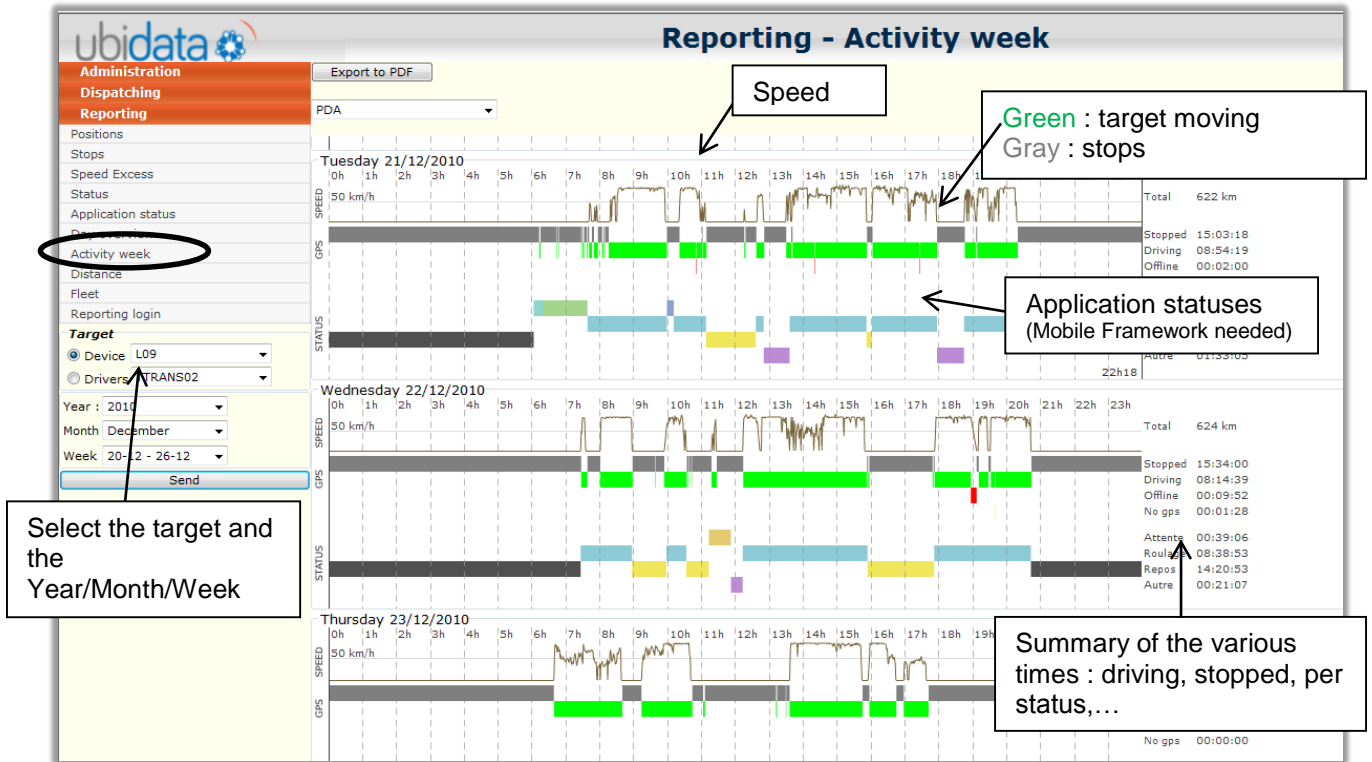
The Events tab gives the list of all uploaded positions and chosen events (see parameters):

Parameters	Time	Event type	Status	Application status	Application event	Alerts	Event category
<input checked="" type="checkbox"/> Display traject on map	20/04/2015 00:00:00	ALERT	STOP	DRIVING	DRIVING	DRIVING	DRIVING
<input checked="" type="checkbox"/> Display points on map	20/04/2015 01:00:31	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
<input checked="" type="checkbox"/> Show address	20/04/2015 02:00:05	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
<input checked="" type="checkbox"/> Include LBS positions	20/04/2015 02:00:05	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
<input checked="" type="checkbox"/> Show details	20/04/2015 02:00:05	STATUS	DRIVING	DRIVING	DRIVING	DRIVING	DRIVING
<input checked="" type="checkbox"/> Display only stops	20/04/2015 03:00:05	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
<input checked="" type="checkbox"/> Hide stops < 10 min	20/04/2015 03:00:05	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Event type	20/04/2015 03:00:05	STATUS	STOPPED	DRIVING	DRIVING	DRIVING	DRIVING
Status	20/04/2015 03:49:45	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Application status	20/04/2015 03:50:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Application event	20/04/2015 03:50:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Alerts	20/04/2015 03:50:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Event category	20/04/2015 03:52:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Side door contact	20/04/2015 03:53:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Door contact	20/04/2015 03:54:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Main cooling	20/04/2015 03:55:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
ITX alarm	20/04/2015 03:55:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Don't display application events while DRIVING	20/04/2015 03:56:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
Don't display alerts while DRIVING	20/04/2015 03:57:33	APPLICATION STATUS	DOOR CLOSED	DRIVING	DRIVING	DRIVING	DRIVING
	20/04/2015 03:57:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
	20/04/2015 03:58:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING
	20/04/2015 03:59:39	POSITION	GPS	DRIVING	DRIVING	DRIVING	DRIVING

Again, with a click on the number form the first row, the map will be recentered on the portion of the route where the position/event has been reported.

10.6. Activity of the week

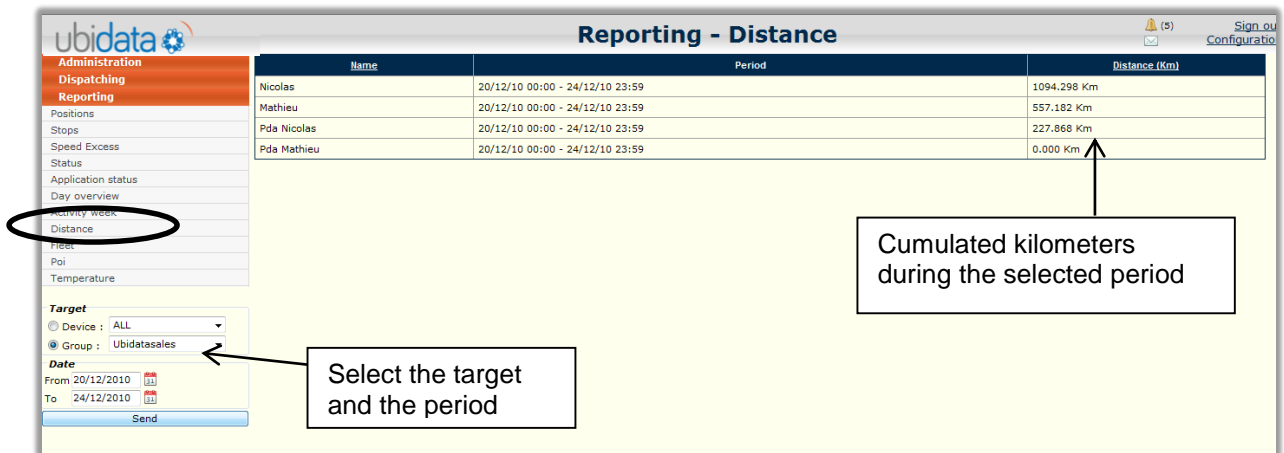
This report allows you to have a full overview of the week activities of a vehicle (or driver). By using the mouse, you can scroll through the different days of the selected week.



*You might want to integrate these information's into your payroll system.
Please contact your project manager for additional details.*

10.7. Traveled distance

This report allows you to compare the distance travelled per vehicle or per group of vehicles over a selected period, based on GPS positions:



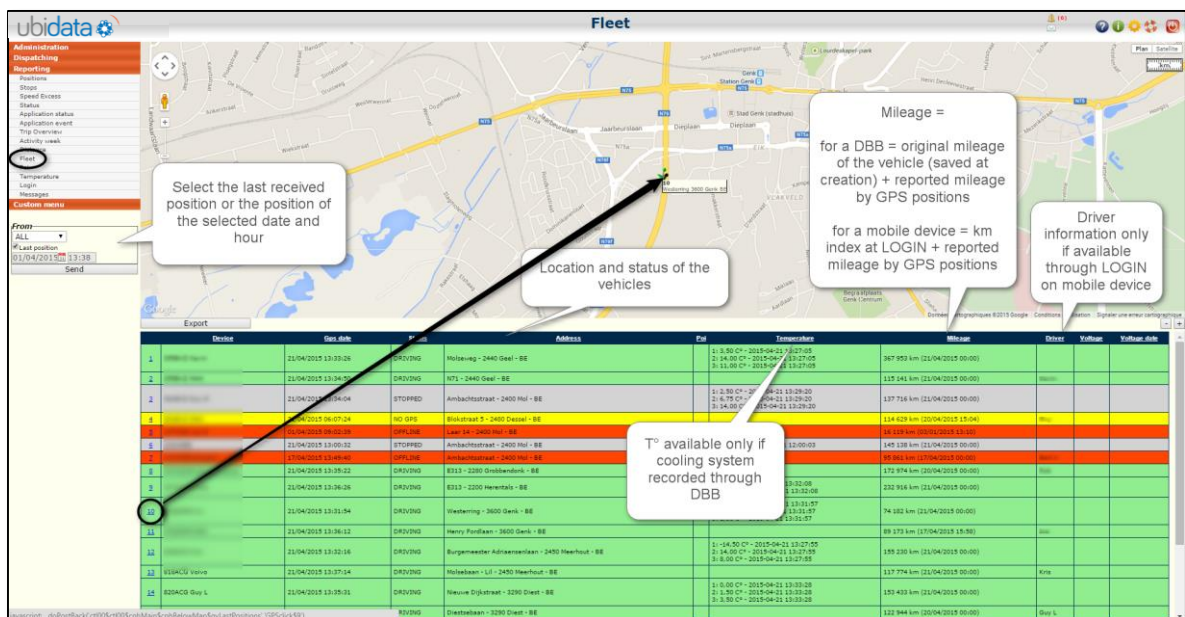
Name	Period	Distance (Km)
Nicolas	20/12/10 00:00 - 24/12/10 23:59	1094.298 Km
Mathieu	20/12/10 00:00 - 24/12/10 23:59	557.182 Km
Pda Nicolas	20/12/10 00:00 - 24/12/10 23:59	227.868 Km
Pda Mathieu	20/12/10 00:00 - 24/12/10 23:59	0.000 Km

10.8. Fleet (ALL or group of devices)

This report allows you to have a complete overview of your whole fleet (or a group of devices) at a given time.

You can also go back in time, up to one month, and make a 'picture' of the activities of all your devices.

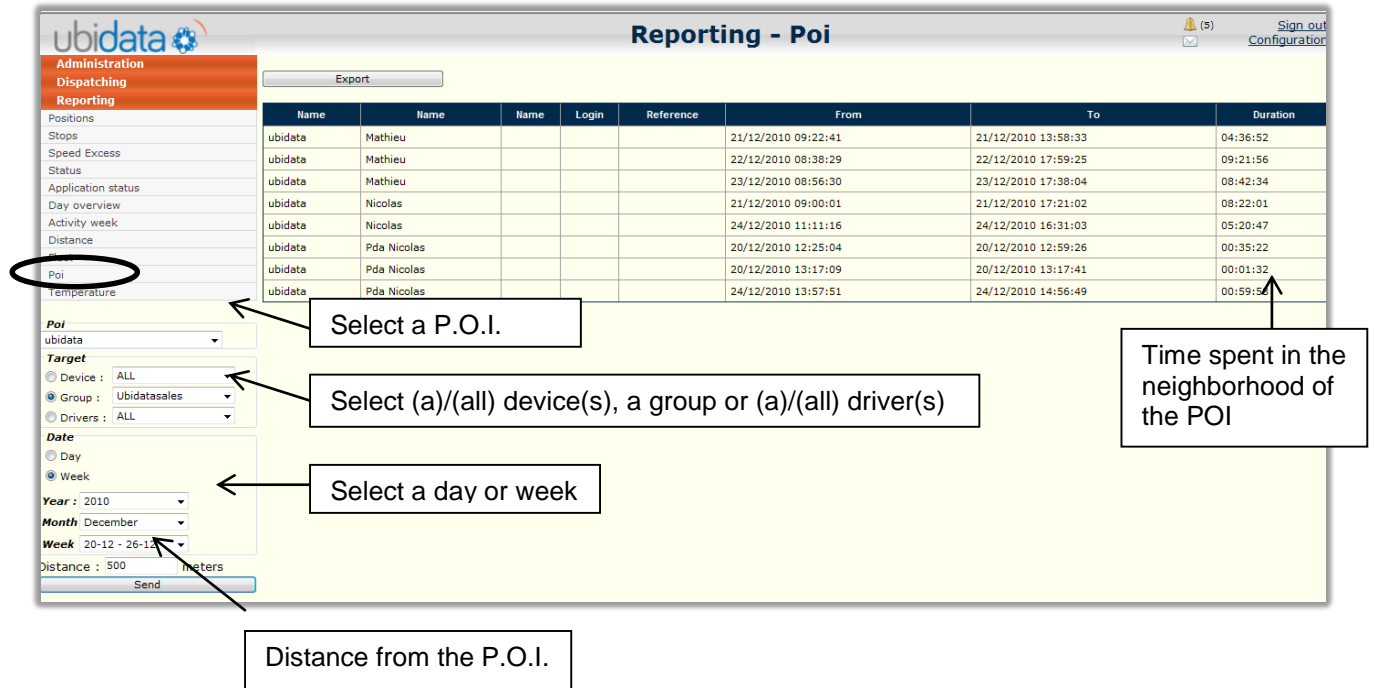
By clicking on the number of a line, the map zooms in on this device.



Device	Geo. date	Address	Fuel	Temperature	Mileage	Otriv	Yafius	Yafius date
1	21/04/2015 13:33:28	Holleweg - 2440 Dieil - BE	1: 3.50 C° - 2015-04-21 13:27:05 2: 46.00 C° - 2015-04-21 13:27:05 3: 13.00 C° - 2015-04-21 13:27:05	12,05:03	287 803 km (21/04/2015 00:00)			
2	21/04/2015 13:34:57	DRIVING			115 141 km (21/04/2015 00:00)			
3	21/04/2015 13:34:04	DRIVING			137 716 km (21/04/2015 00:00)			
4	21/04/2015 13:34:04	STOPPED			137 716 km (21/04/2015 00:00)			
5	21/04/2015 13:34:04	NO GPS			134 629 km (20/04/2015 00:00)			
6	21/04/2015 13:34:04	NO GPS			134 629 km (20/04/2015 00:00)			
7	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
8	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
9	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
10	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
11	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
12	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
13	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
14	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
15	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
16	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
17	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
18	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
19	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
20	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
21	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
22	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
23	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
24	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
25	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
26	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
27	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
28	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
29	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			
30	21/04/2015 13:34:04	STOPPED			149 139 km (21/04/2015 00:00)			

10.9. Neighbourhood of P.O.I.

This report allows you to display all devices that have passed in the neighborhood of a P.O.I. on a selected day or week.... Or all P.O.I.s that a specific device (fixed or mobile) has approached on a given period:



The screenshot shows the 'Reporting - Poi' interface. On the left, a navigation menu includes 'Administration', 'Dispatching', and 'Reporting'. Under 'Reporting', 'Poi' is selected. The main area contains a table of reports and a filter panel on the left. Annotations with arrows point to specific elements:

- 'Select a P.O.I.' points to the 'Poi' dropdown menu.
- 'Select (a)/(all) device(s), a group or (a)/(all) driver(s)' points to the 'Target' section with radio buttons for 'Device', 'Group', and 'Drivers'.
- 'Select a day or week' points to the 'Date' section with radio buttons for 'Day' and 'Week'.
- 'Distance from the P.O.I.' points to the 'Distance' input field.
- 'Time spent in the neighborhood of the POI' points to the 'Duration' column in the table.

Name	Name	Name	Login	Reference	From	To	Duration
ubidata	Mathieu				21/12/2010 09:22:41	21/12/2010 13:58:33	04:36:52
ubidata	Mathieu				22/12/2010 08:38:29	22/12/2010 17:59:25	09:21:56
ubidata	Mathieu				23/12/2010 08:56:30	23/12/2010 17:38:04	08:42:34
ubidata	Nicolas				21/12/2010 09:00:01	21/12/2010 17:21:02	08:22:01
ubidata	Nicolas				24/12/2010 11:11:16	24/12/2010 16:31:03	05:20:47
ubidata	Pda Nicolas				20/12/2010 12:25:04	20/12/2010 12:59:26	00:35:22
ubidata	Pda Nicolas				20/12/2010 13:17:09	20/12/2010 13:17:41	00:01:32
ubidata	Pda Nicolas				24/12/2010 13:57:51	24/12/2010 14:56:49	00:59:58

10.10. Temperature (only for telematics configuration)

This report allows you to display the temperature curve, in case the trailers are equipped with sensors, as well as application events.

By moving the cursor along the temperature curve or application events, they appear in colored frames.

Select first the device from which you want to extract the data, and the T° zones as well as the period:

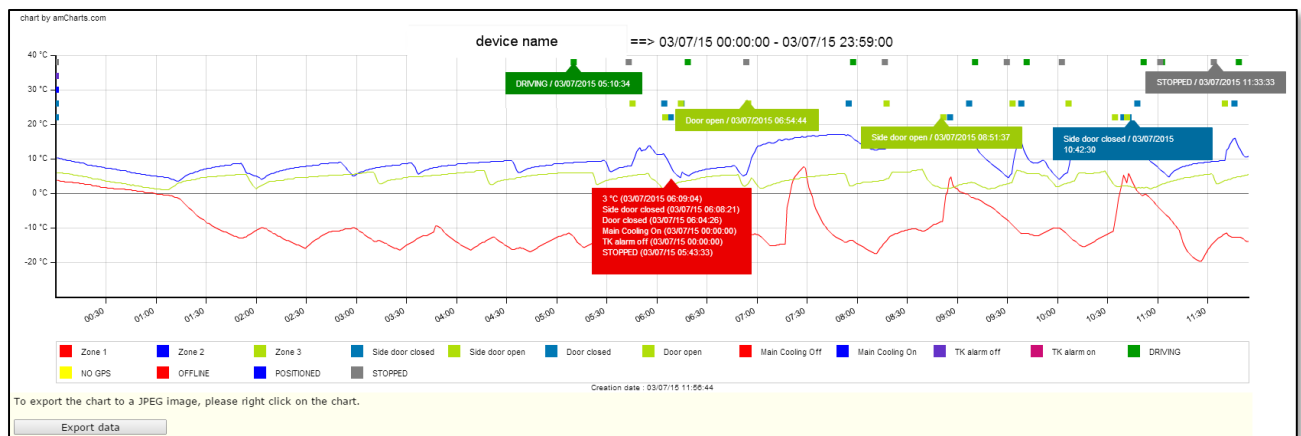
Target

Zones
 1 2 3 4 5 6 7 8

From
 03/07/2015
 00:00 - +

To
 03/07/2015
 23:59 - +
 Quick reporting

Send



The number of temperature curves depends on the number of installed sensors in the trailer, generally 1 per zone. In this example, we have 3.

The number of lines, representing the application events depends on the number of events sent. When application events are defined, this report allows you to correlate the temperature with the different events.

In this example, the temperature can be compared to the openings/closures of the doors as to the starts/stops of the refrigerator group, which allows an explanation for the variations on the temperature curve.

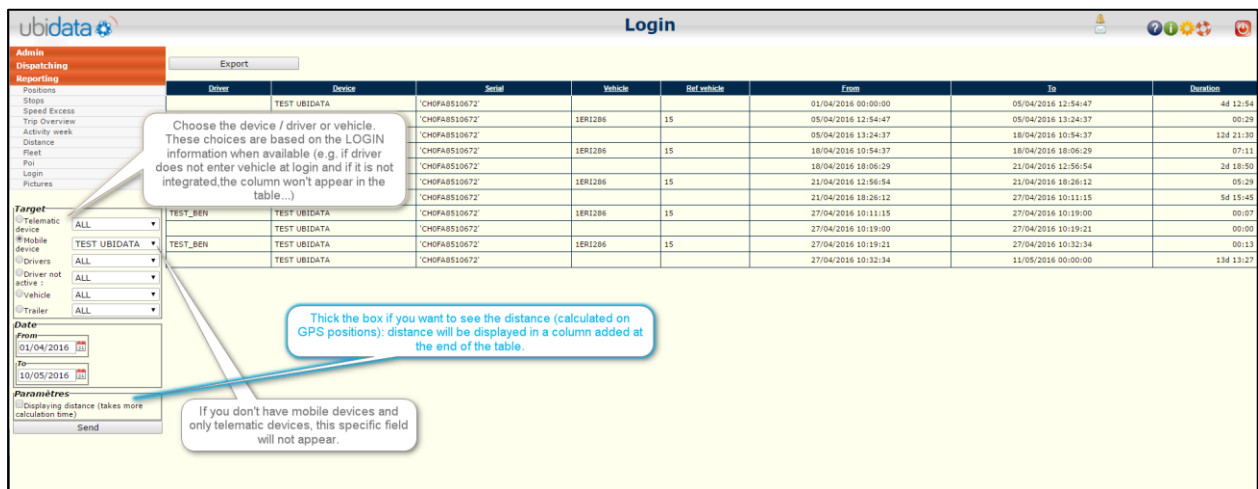
When passing the mouse on the curves or event points, you can visualize the related information in a pop-up.

For quality insurance purposes, it is possible to set up an export of T° data. Please contact your project manager for more details

10.11. Login

This report allows you to display the LOGIN of any ENTITY, in order to know which ENTITY was connected to which DEVICE, together with the login and logoff dates and times.

This report also displays the distance travelled and the mileage of the device (for more information on the mileage, see chapter over management of devices and groups).



Choose the device / driver or vehicle. These choices are based on the LOGIN information when available (e.g. if driver does not enter vehicle at login and if it is not integrated, the column won't appear in the table...)

Driver	Device	Serial	Vehicle	Ref. vehicle	From	To	Duration
	TEST_UBIDATA	'CHGFAB510672'			01/04/2016 00:00:00	05/04/2016 12:54:47	4d 12:54
		'CHGFAB510672'	1ER1286	15	05/04/2016 12:54:47	05/04/2016 13:24:37	00:29
		'CHGFAB510672'			05/04/2016 13:24:37	18/04/2016 10:54:37	12d 21:30
		'CHGFAB510672'	1ER1286	15	18/04/2016 10:54:37	18/04/2016 18:06:29	07:11
		'CHGFAB510672'			18/04/2016 18:06:29	21/04/2016 12:56:54	2d 18:50
		'CHGFAB510672'	1ER1286	15	21/04/2016 12:56:54	21/04/2016 18:26:12	05:29
		'CHGFAB510672'			21/04/2016 18:26:12	27/04/2016 10:11:15	5d 15:45
TEST_BEN	TEST_UBIDATA	'CHGFAB510672'	1ER1286	15	27/04/2016 10:11:15	27/04/2016 10:19:00	00:07
		'CHGFAB510672'			27/04/2016 10:19:00	27/04/2016 10:19:21	00:00
TEST_BEN	TEST_UBIDATA	'CHGFAB510672'	1ER1286	15	27/04/2016 10:19:21	27/04/2016 10:32:34	00:13
		'CHGFAB510672'			27/04/2016 10:32:34	11/05/2016 00:00:00	13d 13:27

Thick the box if you want to see the distance (calculated on GPS positions): distance will be displayed in a column added at the end of the table.

If you don't have mobile devices and only telematic devices, this specific field will not appear.

The system will only show the relevant type of device (TELEMATIC device or MOBILE device) for your project.

In the same way, only available ENTITIES of your project (DRIVER / TRAILER / VEHICLE / LOCO / WAGONS) will be shown.

10. Telematic projects:

On the telematics side, one can assign a device to an ENTITY:

The advantage of doing so is to keep **history** on the ENTITY when the device has to be replaced. The link between the entity and the device is done by the installer upon installation or swap of a device.

A **driver** can LOGIN on a telematic device through different means: I-button, tachograph card reader.

A list on **“NON-ACTIVE” drivers** is shown. These drivers are the ones that were deactivated from the project (won't appear any longer in real time reports), but for whom it is still possible to retrieve LOGIN information in the past.

11. Mobile projects:

On the mobile device, this report will show you which driver was logged on which mobile device, and also additional information about the other linked entities (vehicle/trailer) if foreseen in the software on the LOGIN screen.

12. Distance information:

There are 2 type of distance information available through this report on selected period for the selected devices:

- Column "Distance (Km)" gives you the travel distance from the device during LOGIN, based on the GPS statuses
- Column "Km INDEX" which gives the km INDEX entered by the driver at LOGIN only if this feature has been enabled in your project (mobile framework only). If this information doesn't exist, it will not appear on this screen.

10.12. Messages (only for mobile framework)

This report gives a view of all message exchanges between 1 device or drive and the dispatching team. This might be useful when several dispatchers are communicating with the drivers in order to know who from the dispatching team got an important message and when:


Device	Driver	Username	Message	Sent time	Read time	Read by
1402	PDA			03/07/2015 07:15:44	03/07/2015 07:18:12	
1402	PDA			03/07/2015 07:05:10	03/07/2015 07:06:29	
1402	PDA			03/07/2015 06:55:54	03/07/2015 07:06:44	
1402	PDA			03/07/2015 06:55:18	03/07/2015 06:58:15	
1402	PDA			02/07/2015 11:11:39	02/07/2015 16:33:02	
1402	PDA			02/07/2015 11:29:25	02/07/2015 11:30:28	
1402	PDA			02/07/2015 11:00:59	02/07/2015 11:01:33	
1402	PDA			02/07/2015 10:55:07	02/07/2015 10:55:31	
1402	PDA			02/07/2015 10:53:09	02/07/2015 10:53:29	

Annotations:

- Red box: PDA or driver name who received or sent a message
- Blue box: Dispatcher who sent or read the message from the driver
- White box: Time when the message has been sent or read

10.13. Pictures (only for mobile framework)

This report allows you to display the pictures taken with the mobile devices. You have the possibility to choose a target (mobile device or driver) over a certain period.

Reporting - Picture		Toestel	Datum
		BRIK	15/02/2012 10:43:14

Left sidebar controls:

- Administratie
- Planning
- Rapportage
- Gepersonaliseerde functies
- Doel:
 - Toestel: ALLEN
 - chauffeurs: ALAN DZANGAZIJE
- Datum:
 - Van: 15/02/2012
 - Tot: 21/02/2012
- Verzend

Pictures linked to a JOB can also be viewed in the overview tab from the Planning/device report.

This report is the sole place to view pictures which are taken outside the scope of a planning. This can be useful in case of accident or to show something that is difficult to describe through a message or over the phone.

10.14. Reporting usage

Very powerful reporting tool you can use to follow a device or group of devices in order to extract data over a specific period optimize your internal processes.

It is impossible to detail the complete set of functions.

This report allows you e.g. to display the time spent in each status, as well as the distances travelled during a selected period.

You could also analyze your cooling groups in order to optimize working procedures.

Prerequisite for optimized usage of this report is the definition of 'application events' which represent some KPIs you want to monitor.

Please contact your project coordinator in order to have presentation of the relevant options with regard to your project.

These reports can be automatized and sent be email.

Target

Device Group :

Beurs Demo
Demestic fleet
DEMO TT PDA
DEMO VR DBB
Koeltransport
PDAHQ

Date

Day
 Week
 Month
 Range of date

Year: 2015
Month: April

Aggregation

Day
 Week
 Month
 Entire period

Events

Status
 Application status
 Application events


Event subdivision

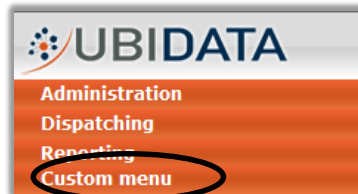
Send the report by mail
dave.engel@ubidata.com

Send

11 Custom menu

Depending on your configuration it is possible that you have access to (a) custom menu('s).

Help about these pages are given through the contextual menu by a click on the 



UBIDATA can build any report you might feel necessary as long as the data are available (ETA estimation, fleet maintenance, working hours for HR input, etc.)

In addition to the look-up function through the T&T interface, there is the possibility to automatize the sending of an excel sheet gathering specific informations. A report can be sent on a daily, weekly or monthly basis.

Please contact your project coordinator in order to review your requirements.

12 F.A.Q

12.1. You want to verify which vehicles or drivers came close to one of your clients?

- 1) Put a POI on the map for every address of your clients. This step only has to be done once. If you have an Excel file with the names and addresses (or GPS coordinates) of your clients, send it to Ubidata and they will automatically perform this task.
- 2) Go to *Reporting / POI* menu
- 3) Select your client in the *POI zone*
- 4) Select *Device* (or *Drivers*) under *ALL*
- 5) Select the preferred date or week
- 6) Leave the control distance on 500m
- 7) Click *Send*

You will receive a report informing you which vehicles and/or drivers came in the neighborhood of your client over a specified period, and how long they stayed in a radius of 500 meters of the POI (default value, can be changed).

12.2. You want to know how long on average your driver stayed at a client?

- 1) Put a POI on the map for every address of your clients. This step only has to be done once. If you have an Excel file with the names and addresses (or GPS coordinates) of your clients, send it to Ubidata and they will automatically perform this task.
- 2) Go to *Reporting / POI* menu
- 3) Select your client in the *POI zone*
- 4) Select your driver under *Device* (of *Drivers*)
- 5) Select the preferred week
- 6) Leave the control distance on 500m
- 7) Click *Send*
- 8) Export it to an Excel file
- 9) In Excel : use the *average* function on the *duration* column

12.3. You want to find out which vehicle had an accident on 20th of November 2012 at 16h00 in the rue Colonel Bourg, 1140 Brussel?

- 1) Go to *Reporting / Fleet* menu
- 2) Select *ALL*
- 3) Enter the date : *20/12/2012 16h00*
- 4) Scroll down in the *Address* column to find the correct address. If you have a big fleet, you can export the table into an Excel file and search (or filter) for 'rue Colonel Bourg, 1140 Brussel'.

12.4. You want to be sure that all your vehicles have returned to your parking every Friday evening at 20h00?

- 1) Create a 'geofencing' zone (circle or polygon), in which your parking is situated via the *Administration / Geofencing Zone* menu
- 2) Create an alert via the *Alert Rules* menu
- 3) Give a name to the alert and select *ALL*
- 4) Specify *No end date*
- 5) Select *Days of week* : only *Friday*
- 6) Set *Time of day* from 00 :00 to 20 :00
- 7) Enter a recipient
- 8) Select the alert : *Detection of a vehicle not entering or not leaving a geofencing zone*
- 9) Select your 'geofencing' zone *Parking* and the criterion *Not Entering*
- 10) Create your alert rule

12.5. Your client wants to follow an important transportation and wants to be notified a bit before the delivery?

- 1) Select a device and enter the start and end date of the transportation in the *Remote Access* menu and enter the e-mail address of your client. He will receive an e-mail with an url, which will allow him to follow the vehicle during the selected period.
- 2) Create a 'geofencing' zone around the address of your client via the *Geofencing Zone* menu.
- 3) Create an alert via the *Alert rules* menu. During the configuration of this alert : select the vehicle and delivery date, enter the e-mail address of your client, select the alert type *Detection of a vehicle entering or leaving a geofencing zone* and select the zone of your client and *entering*.

12.6. Other questions we can answer:

We can answer many other questions through custom reports.
Hereunder some examples:

1. I have no tour optimization tool and want to analyze the routes of my devices: visualize several devices for 1 day, or visualize 1 device over a given period => ask for a presentation of the TRIP COMPARATOR report.
2. I want to neutralize a vehicle in case of theft => ask for a presentation of the Start / Stop vehicle report (only available for telematics project foreseen with the relevant circuit breaker)
3. I want to unlock/lock doors at distance => ask for a presentation of the Lock / Unlock doors report (only available for telematics project foreseen with the relevant circuit breaker)

Please contact your project manager in order to have a review of your needs, or send a mail at support@ubidata.com