



# User Manual

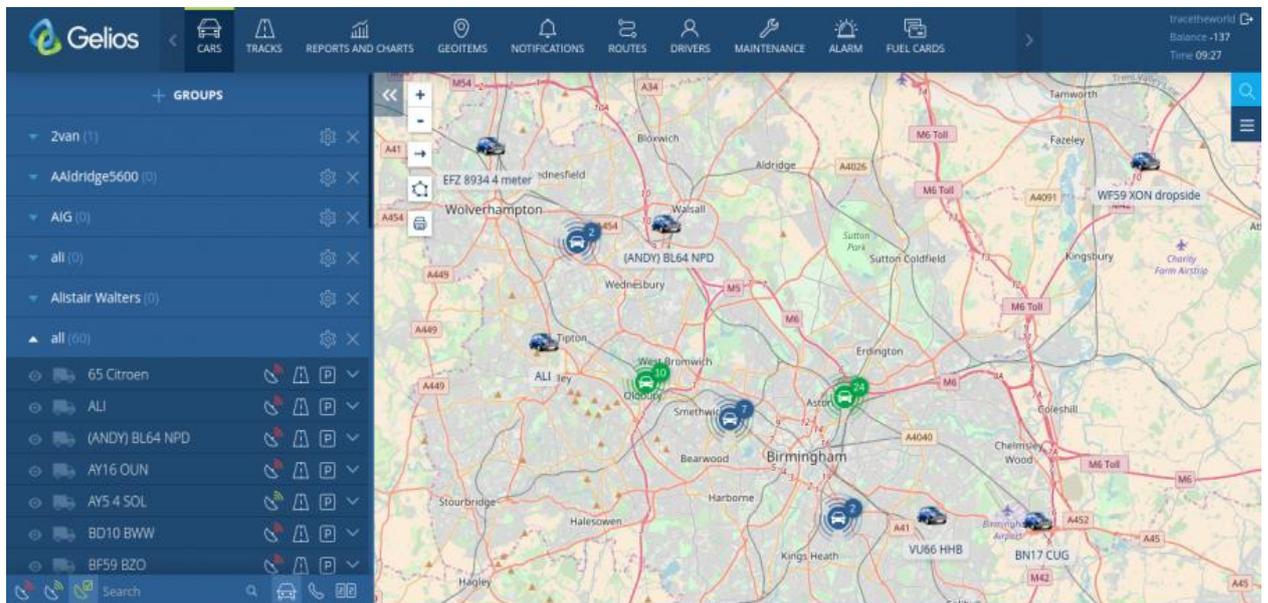
The user manual contains a detailed description of the user system interface and its elements, divided into the following sections.

## Section

- 1) **Vehicles** - Monitoring of the current position and state of units
- 2) **Tracks** - Recreation of the unit's route for a certain interval in the form of a track on a map
- 3) **Reports and Graphs** - Generation of reports on pre-set parameters
- 4) **Geoobjects** - Creation of geozones and geopoints to further control of their visit by the unit
- 5) **Notifications** - Creation and editing of notifications to control actions of units
- 6) **Routes** - Tracking of an unit following the specified route
- 7) **Drivers** - Creation and editing of a list of drivers employed by the company
- 8) **Maintenance** - Tracking whether the unit has undergone maintenance
- 9) **Alarm** - Tracking of alarm button triggering installed in the vehicle
- Fuel Cards Fuel consumption control with fuel cards
- 10) **Toolbar** - Description of toolbar elements

# Vehicles

On the Vehicles tab, the current position and state of the units are monitored. This is the main tab of the program.



The following functions are available on the **Vehicles** tab:

- Creating a group of units;
- Tracking the position of an unit and a group of units;
- Obtaining information on the unit;
- Displaying units on the map according to filter conditions;
- Getting quick access to the main functions of other workspaces.

The Vehicles workspace contains two tabs:

- Groups - a list of groups of units;
- Units\* - a list of units.

The functional description is given below in the relevant subsections. The bottom of the workspace provides a panel for filtering and searching for units. The panel contains the following elements:

Icon	Action
	Displaying inactive units
	Displaying active units
	Displaying all units
	Filters search field
	Search by name
	Search by phone
	Search by arbitrary fields

When the status is selected, the **Groups** and **units** tabs display units only with the selected status.

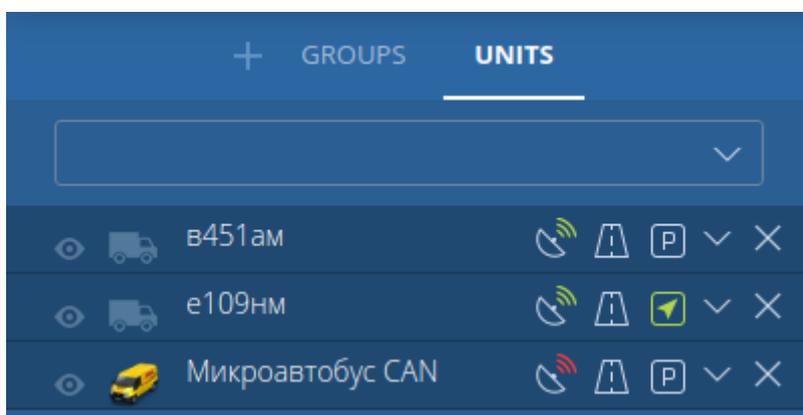
\* - available after activation in settings menu.

## Units

When the **Units** switch is clicked, a list of units is displayed. The list contains units that are independently added by the user from the general list of units. The map will display all units of the generated list. The information on the units is updated automatically every 20 seconds.

**Attention!** Units are created and edited in the Admin panel.

To add units, a drop-down list is provided. Add an unit by clicking on its name. To add or remove all units, select **Select All** or **Delete All**, respectively.



To search for units quickly, a text field is provided. Search is performed as new characters are entered.

The following elements are located in the line with the name of the unit:

Icon	Action
	Tracking an unit on a map
	unit icon
	Indicate LBS data relevance for an unit
	Turn on/off the track display in the last 24 hours
	unit status
	Activate the options menu
	Exclusion of an unit from the list

## Tracking

When you click the icon, the map is positioned so that the tracked unit is in its center.

Tracking of several units is allowed. In this case, the map is scaled in such a way that all the monitored units are displayed simultaneously. When tracking is enabled, the icon changes its appearance to.

### Information about the unit

When the cursor rolls over the name of the unit, detailed information about the unit is displayed.

The screenshot shows a blue header bar with the unit name 'ALI' and a close button. Below the header, there are three sections of information: 'LAST MESSAGE' (14.08.2017 - 09:32:12 (212d. 1h. 57m. 01s. ago)), 'ADDRESS' (Rosewood Road, Dudley, United Kingdom), and 'COORDS' (52.52668,-2.09031). A horizontal line separates this from a row of four metrics: 'SPEED' (0), 'SATELLITES' (9), 'ENGINE HOURS' (-), and 'MILEAGE' (-). Below this is another horizontal line, followed by two more metrics: 'SENSORS' (7) and 'INFORMATION' (1).

Information about the unit is divided in three blocks:

1. General information showing:

**Last message** - Date and time of the last message from the unit;

**Address** - Location of the unit at the time of the last message;

**Coordinates** - Coordinates of the last location of the unit.

2. Quantitative data block:

**Speed** - Speed of the unit in the last message;

**Satellites** - Number of satellites with which communication is established;

**Engine hours** - Vehicle engine hours;

**Mileage** - Vehicle mileage.

3. Additional information Block:

Sensors – Displaying current information on all sensors created for the unit;

Information - Additional information on the unit.

Location by LBS

The icon for location verification of the unit under Location-Based Service (LBS) indicates the relevance of the data for the unit and can take on the following form:

Icon	Meaning
	The last message was received less than 15 minutes ago
	The last message was received less than 60 minutes ago
	The last message was received more than 60 minutes ago

When clicking the icon, the location is determined under Location-Based Service (LBS) system based on the current location of the device.

### Status

The status icon serves to indicate the state of the unit and can take the following form:

By clicking on the icon, an additional window with detailed information on the unit, including its location, is displayed on the screen.

Simultaneous opening of several additional forms is allowed, which makes it easier to monitor selected units in real time.

BJ63 OAD FRIDGE
✕



**LAST MESSAGE**  
14.03.2018 - 11:48:00

**ADDRESS**  
Hare Street, Wolverhampton, United Kingdom

**SUBSCRIBER'S NUMBER**

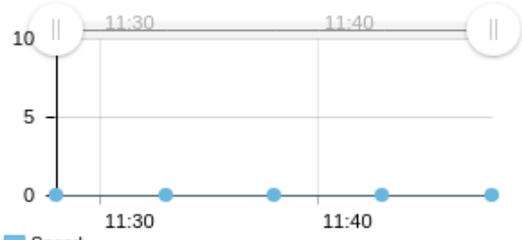
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**SPEED**  
0

**ENGINE HOURS**  
-

**MILEAGE**  
-

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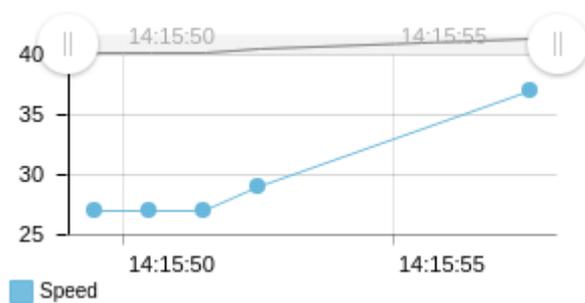


Speed

The form can be conditionally divided into four blocks.

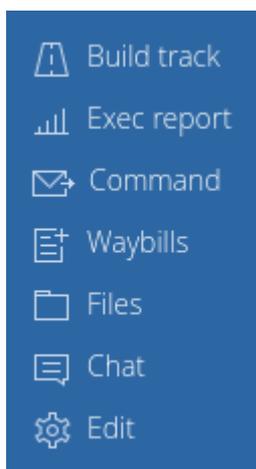
1. A separate mini-map that allows you to track the movement of an unit with the possibility of zooming.
2. Basic information on the unit.
3. Information obtained with the help of installed sensors.
4. Graphical display of information from sensors. By default, the data is displayed for the last five minutes. If the form remains open, the graph is supplemented with incoming data.

Using the **sliders**, you can scale the graph. In order to hide/display the sensor graph, click on its name. When you move the cursor over the graph, the data at the specified time point for each sensor is displayed.



## Options menu

By clicking you display the Options menu:



The menu contains the following items:

- Build a track – Creating a track. For detailed description of the function, see the Tracks subsection;
- Run a report – Creating a report. For detailed description of the function, see the Reports and Graphs subsection;

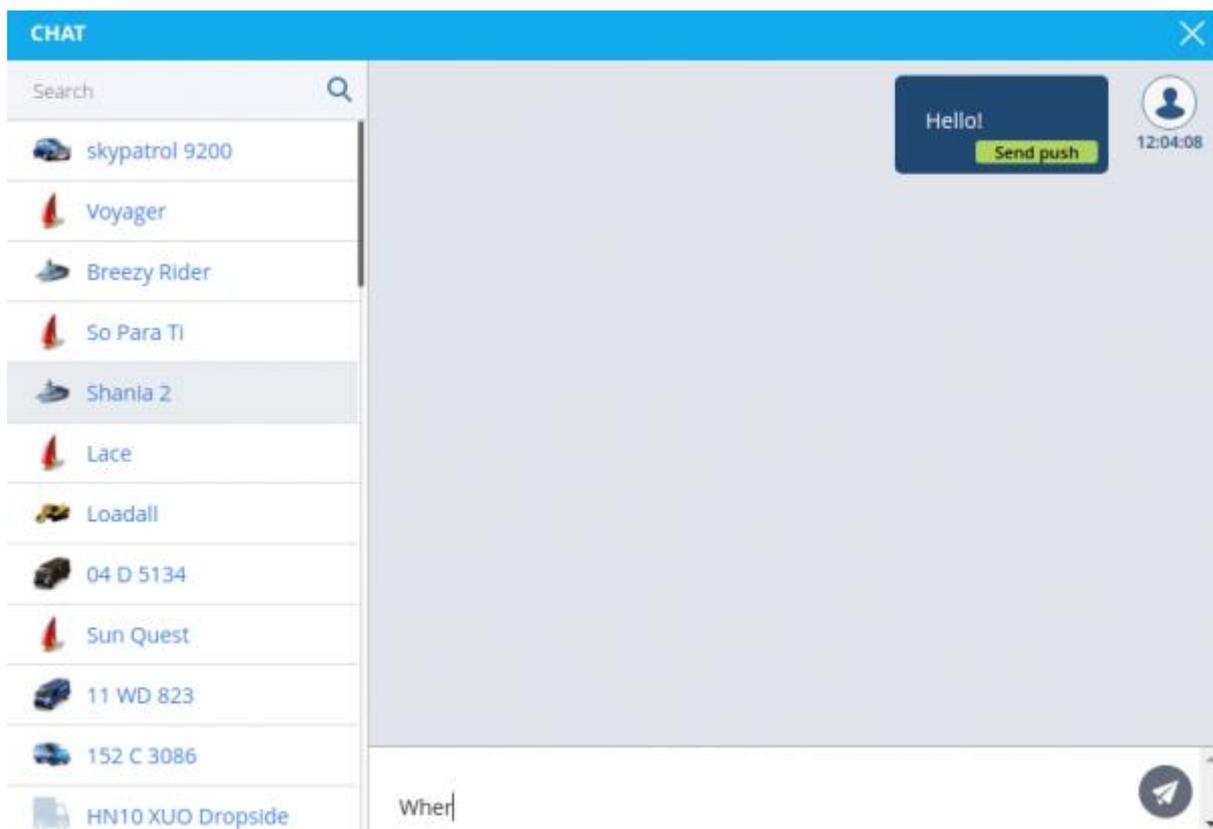
- Command – Sending a command. For detailed description of the function, see the Commands subsection;
- Trip sheet – Creating a trip sheet. For detailed description of the function, see the Trip Sheets subsection;
- Files – View the list of files. For detailed description of the function, see the Files subsection;
- Chat – Chat with the driver. For detailed description of the function, see the Chat subsection;
- Edit – Edit information on the unit. For detailed description of the mode, see the Editing subsection.

## Delete an unit

When clicking the icon an unit is deleted from the list.

## Chat

This form is used to communicate with the driver of the current unit. Communication is carried out through GeliosTracker mobile tracking application.



The list of units with which chat communication is allowed is shown in the left part of the form. The selected unit is highlighted in grey.

To send the message, enter the text and click the button . The text of the message will be displayed in the chat.

For additional notification of the driver of a new message, click the **Send push** button. When clicking on the button, a Push notification will be sent to the device.

## Commands

For remote management of the mobile tracker, it is possible to send commands to the current unit. The list of commands differs depending on the installed equipment.

TIME	TYPE	TEXT	ACTIONS
<b>THE COMMAND QUEUE</b>			
06.01.2018 14:31	tcp_answer	ALARM:113110,5451.2757N,08303.0376E,0,0,136.9,060118	-
06.01.2018 14:31	tcp_answer	ALARM:113107,5451.2757N,08303.0375E,0,0,136.9,060118	-
06.01.2018 14:31	tcp_answer	ALARM:113104,5451.2757N,08303.0374E,0,0,136.9,060118	-

TIME	TYPE	TEXT	TIME SEND	ACTIONS
<b>HISTORY COMANDS</b>				
06.01.2018 14:31	tcp_answer	ALARM:113110,5451.2757N,08303.0376E,0,0,136.9,060118	-	-
06.01.2018 14:31	tcp_answer	ALARM:113107,5451.2757N,08303.0375E,0,0,136.9,060118	-	-
06.01.2018 14:31	tcp_answer	ALARM:113104,5451.2757N,08303.0374E,0,0,136.9,060118	-	-

The form involves sending commands in two ways:

- TCP – by means of the Internet;
- GSM – via SMS commands.

After clicking the **Send** button, the command is displayed in the **Command Queue** list, which includes the commands for execution. The command sending process is displayed as additional messages of the following form:

! Command queuing ×

! 14.03.2018 16:08:37 tcp command terre was succesfully sent to I am Groot ×

The sent commands are displayed in the **Command History** list. Click the **Send Again** button to resend the command.

## Editing

This form is intended for editing information on the unit.

**EDIT** ✕

Name:

Brand:

Year:

Number plate:

Mileage:

Engine hours:

Max permissible speed:

Click the **Save** button to save the changes made.

## Files

This form is used to view the files sent from the mobile tracker installed on the current unit, as well as various types of equipment into the monitoring system. After transferring files to the server, you can download them to your computer.

**FILES** ✕

UNIT: BJ63 OAD FRIDGE

To view a list of files, specify a period and click **Show**.

## Waybills

The waybill is the main primary document for accounting the driver's work and mileage, vehicle route, issued daily to the drivers of vehicles.

**WAYBILLS**
✕

<b>UNIT:</b>	<input style="width: 80%;" type="text" value="32 (B415..."/>
<b>ORGANIZATION:</b>	<input style="width: 80%;" type="text"/>
<b>BRAND:</b>	<input style="width: 80%;" type="text"/>
<b>NUMBER PLATE</b>	<input style="width: 80%;" type="text"/>
<b>TIME DEPARTURE:</b>	<input style="width: 80%;" type="text"/>
<b>TIME RETURN:</b>	<input style="width: 80%;" type="text"/>
<b>TEMPLATE:</b>	<input style="width: 80%;" type="text" value="Form #1"/>

GENERATE WAYBILL

To compose a waybill for the current unit, fill in the blank fields of the form, and indicate the time of departure and arrival, if necessary. By default, the following templates of waybills are provided:

- Standard (description);
- Form 1;
- CSI (criticality safety index);
- Form 4-C.

By clicking on the **Generate a waybill** button, you create an XLS file with the corresponding form of a waybill with the name of the view:

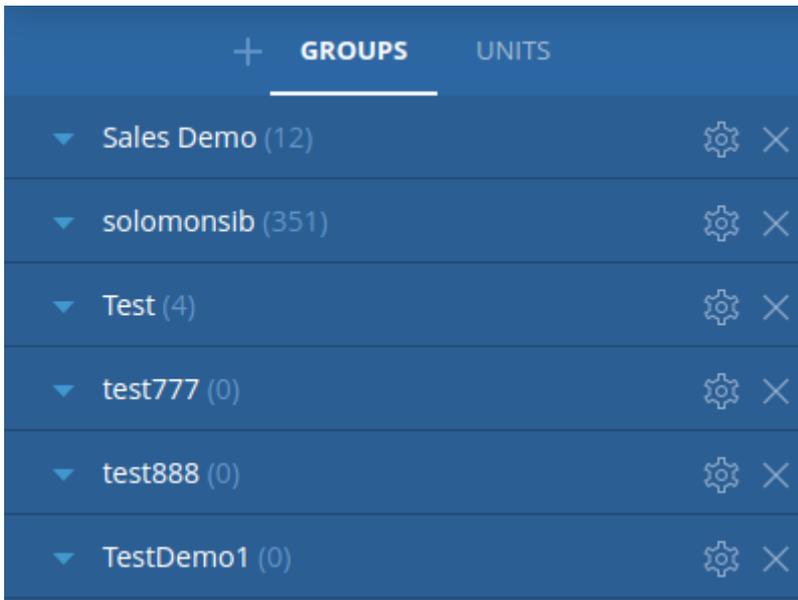
KZ\_934\_CDA\_10\_02.03.2017, where

KZ\_934\_CDA\_10 is the name of the current unit; 02.03.2017 is the creation date of the file.

Further filling of the waybill is carried out according to the current legislation.

## **Groups of Units**

The **Groups** tab contains a list of independently created groups and serves to combine objects.



The following elements are located in the group header line:

Icon	Action
	The group is minimized. By clicking, the group maximizes.
	The group is maximized. After clicking, the group minimizes.
	Go to group settings
	Delete the group

When you click on the group name, the list of objects included in the group maximizes. All group objects are displayed on the map. The map is scaled so that all objects are displayed simultaneously.

If several groups are maximized, all objects included in the maximized groups will be displayed on the map.

A set of object controls repeats a set of controls available on the Units tab.

### Edit the group

To edit the group, click the icon opposite the name of the corresponding group, which opens the form **Edit the group**.

CREATE GROUP
✕

**NAME**

✕

**UNITS:** \_\_\_\_\_ Select all

<input type="checkbox"/> X781KH _____...	<input type="checkbox"/> 1	<input type="checkbox"/> 1-ФАКТ
<input type="checkbox"/> 10 (A341XP)	<input type="checkbox"/> 10-СОГЛ	<input type="checkbox"/> 11-ГАР
<input type="checkbox"/> 110 (E110HK)	<input type="checkbox"/> 111	<input type="checkbox"/> 112
<input type="checkbox"/> 113 (K113AH)	<input type="checkbox"/> 114	<input type="checkbox"/> 12-ГАР
<input type="checkbox"/> 13-ГАР	<input type="checkbox"/> 19 (A113PK)	<input type="checkbox"/> 2
<input type="checkbox"/> 2-ФАКТ	<input type="checkbox"/> 20-СОГЛ	<input type="checkbox"/> 21-АТЛ
<input type="checkbox"/> 216 (E216PB)	<input type="checkbox"/> 29 (C030PP)	<input type="checkbox"/> 3
<input type="checkbox"/> 4	<input type="checkbox"/> 5	<input type="checkbox"/> 6
<input type="checkbox"/> 7	<input type="checkbox"/> 201	<input type="checkbox"/> 301
<input type="checkbox"/> 313	<input type="checkbox"/> 377	<input type="checkbox"/> 513
<input type="checkbox"/> 740	<input type="checkbox"/> 970	<input type="checkbox"/> 2777

SAVE

CANCEL

The group edit form allows performing the following actions:

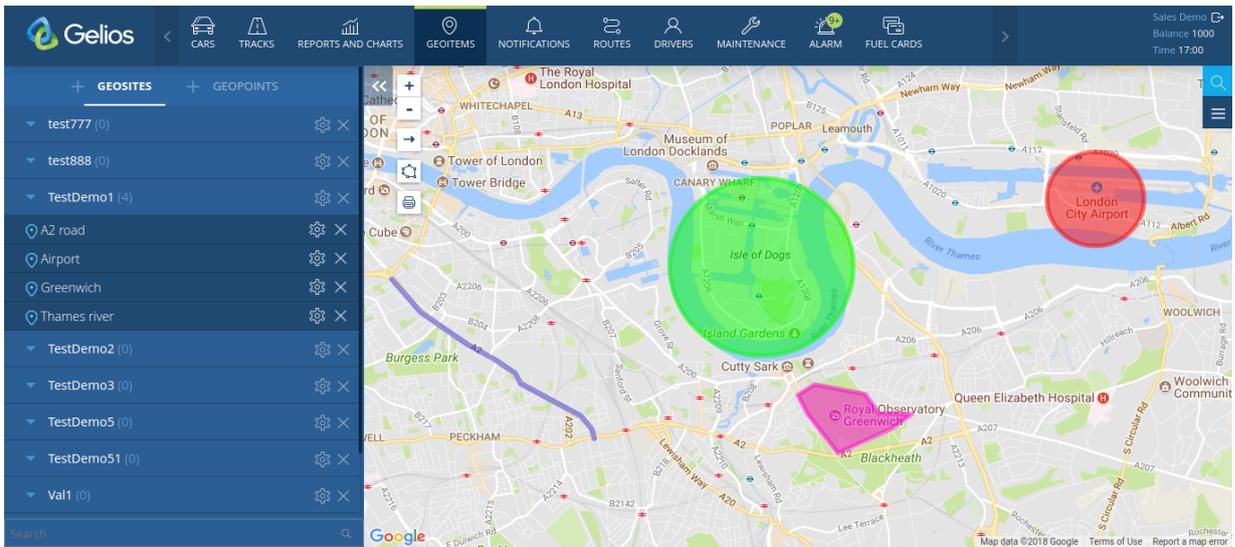
- Change the group name;
- Change the group icon;
- Change the list of objects in the group.

Click the icon **Save** to save the changes.

To delete the group, click the icon opposite the name of the corresponding group.

## Geo-objects

With the help of Geo-objects, Gelios monitoring system allows you to monitor when the unit visits pre-set locations.



The following functions are available on the Geo-objects tab:

- Creation and editing of geozones;
- Creation and editing of geopoints.

At the top of the workspace are the switches **Geozone** and **Geopoint**. When you click on a specific switch button, a list of groups is displayed, including the set of geozones or geopoints added, respectively. When you click on the group name, the list of Geo-objects that make up the group unfolds. All geo-objects of the group are displayed on the map. The map is scaled so that all Geo-objects are displayed simultaneously.

The following elements are located in the group header row:

**Icon**            **Action**

 The group is minimized. By clicking, the group maximizes

 The group is maximized. After clicking, the group minimizes

 Go to group settings

 Delete the group

When the group is deleted, all Geo-objects in it are deleted as well.

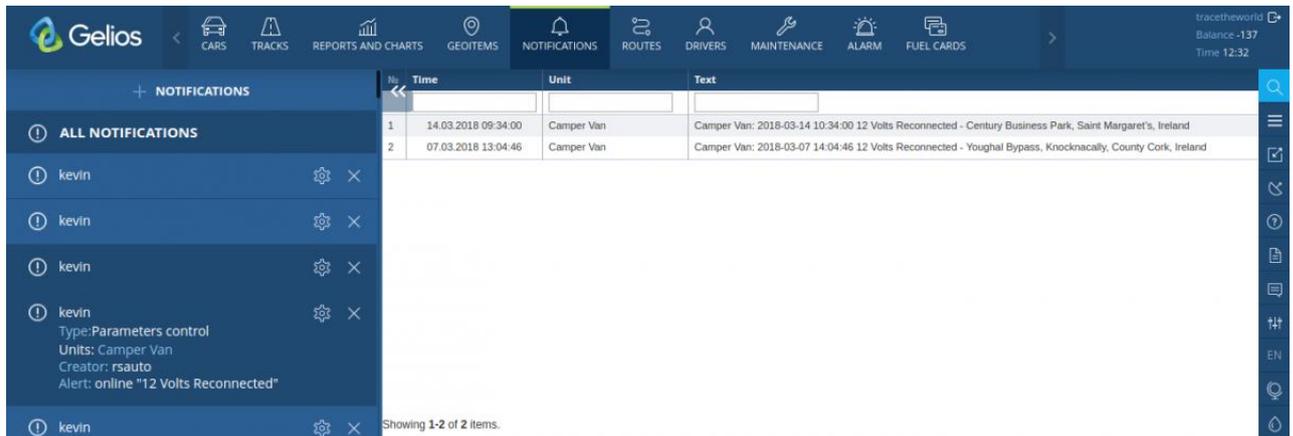
## Notifications

**Gelios** monitoring system allows you to constantly monitor units even in cases where you do not have a computer nearby or Internet access. You can send notifications via both e-mail and SMS messages. Unauthorized movement of the unit, when it is supposed to be in the parking lot, exceeding the speed limit in a

certain geozone, etc. – notifications of these actions will allow controlling the activity of the unit without constant analysis and data monitoring.

The received notifications are saved as a list. The list of notifications depends on the selected notification in the workspace of the window. To enable display of all notifications, click on the **All notifications** line.

By clicking on a line, the position of the unit at a given time is displayed on the map.



The following functions are available on the **Notifications** tab:

- Creating and configuration of a notification;
- Viewing of the notifications list;
- Display of the unit on the map at the time of notification.

The notification list is located in the workspace of the window. When the mouse is moved over the notification, detailed information on the notification is displayed.

**kevin**

Type:Parameters control

Creator: rsauto

Units: Camper Van

Alert: online "Backup Battery Charged"

The following elements are located in the title bar of the notification:

**Icon**

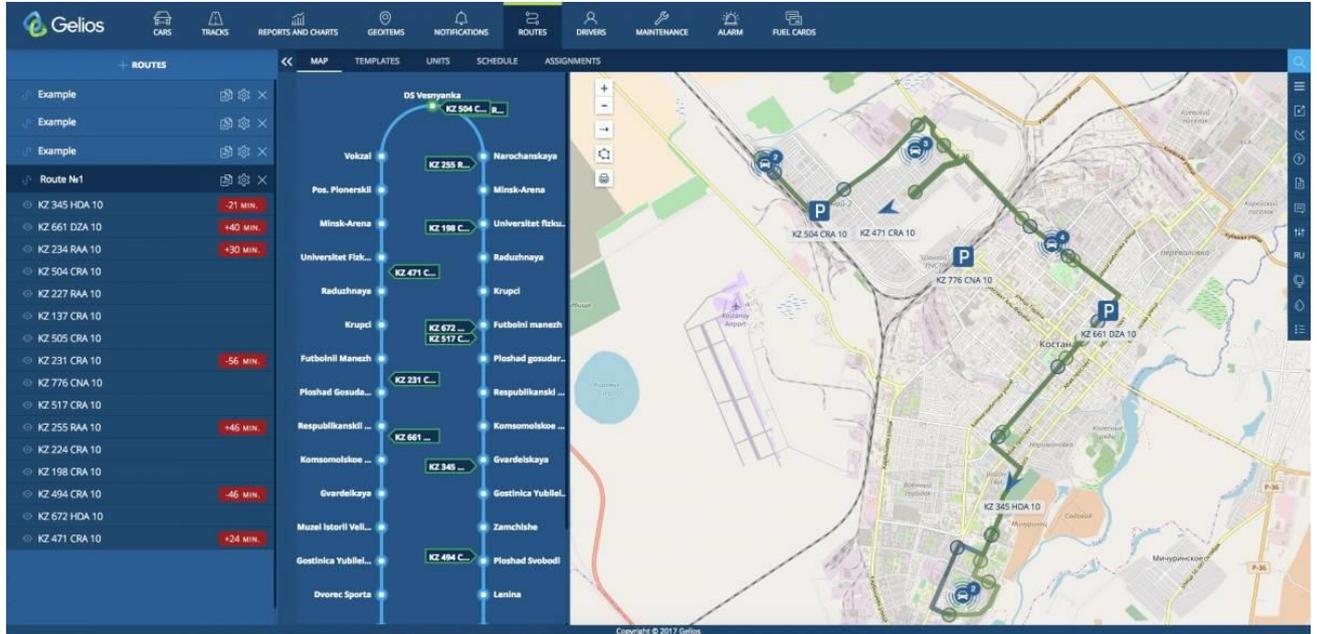
**Action**

Go to notification settings

Delete a notification

## Routes

**Gelios** monitoring system allows tracking the unit following the specified route. The **route** is a set of control points, each of which is referenced to some position on the map, and the order of their passage by the unit is firmly set in the description. The number of control points on one route is unlimited.



The following functions are available on the Routes tab:

- Create and configure routes;
- Assign routes to units;
- Configure the route schedule.

Opposite the name of the route, there are the following controls:



copy the route (the word “Copy” is added to the name of the route)



edit the selected route

delete the route

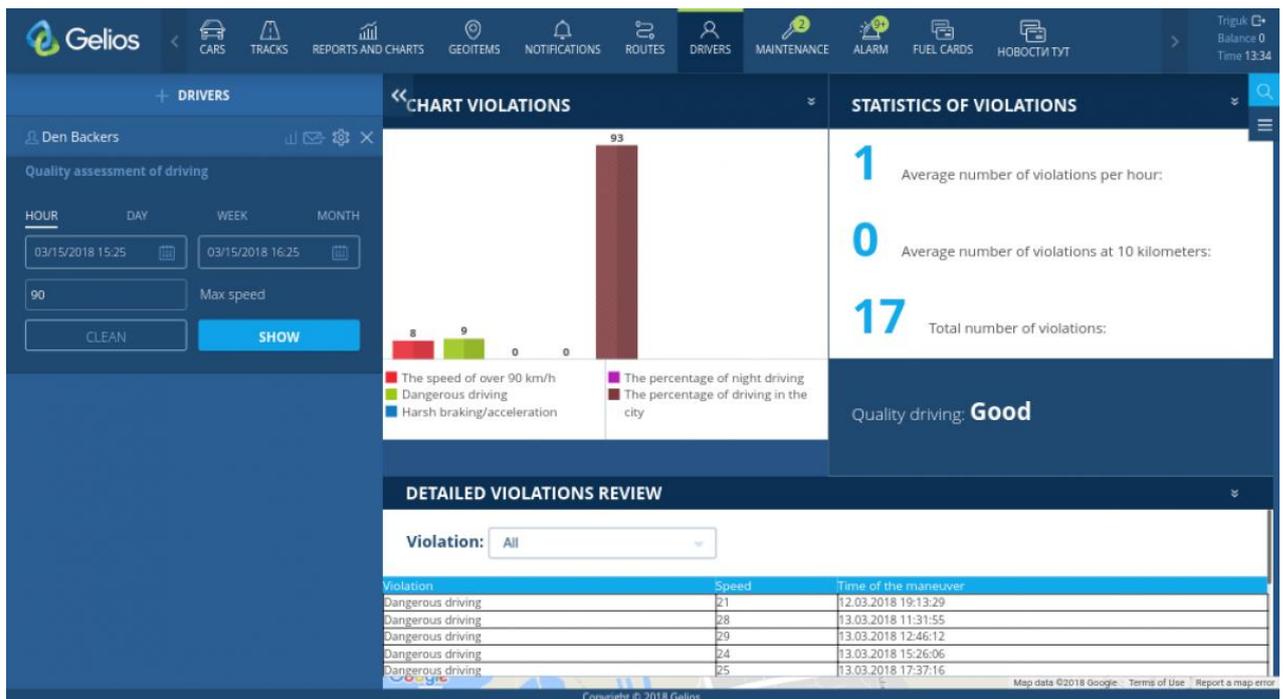
To display all the routes on the map simultaneously, you need to go to the toolbar settings and select **Show all routes on the map**.

The list of routes is located in the workspace of the window. To view the route on the map, click on its name.

## Drivers

**Gelios** monitoring system allows you to create a list of drivers employed by the company. Any of the drivers can be assigned to a specific unit, that is, be attributed

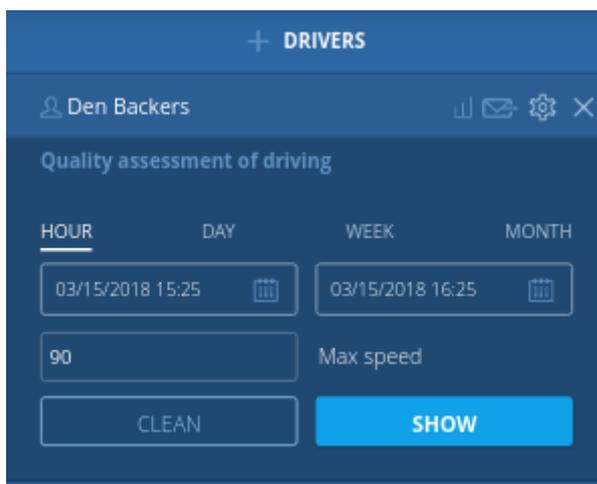
to the vehicle. In the future, this will help to analyse the quality of the employee's work and performance of his/her job duties with the help of reports.



The following functions are available on the Drivers tab:

- Create and set up a list of drivers;
- Add drivers' contact details;
- Assess the driver's driving skills;
- Assign the driver to an unit;
- Display the unit on the map at the time of notification of the violation.

The list of drivers is located in the workspace of the window. When the mouse is moved over the line, detailed information about the driver is displayed.



The following elements are located in the title bar of the notification:

## Icon

## Action



Assess the quality of driver's driving skills



Assign the driver to an unit

Go to setting of the driver's record

Delete the driver's record

## Adding a Driver

To add a driver, click the icon . The driver-creating form will be opened.

**DRIVER** ✕

**DRIVER NAME**

**PHONE**

**PERSONNEL NUMBER**

**KEY 1**

**KEY 2**

**DESCRIPTION**

**PHOTO**



Fill in the form fields:

- Driver's name;
- Phone;
- Employee ID – driver's employee ID in the organization;
- Key 1, Key 2 – numbers of digital tachograph cards (drivers' cards);
- Description;
- Photo.

Click the **Save** button to save changes.

### Assign Drivers

The driver can be simultaneously assigned to several units.

To assign a driver to an unit, click the icon  opposite the name of the required driver.

DRIVER APPOINTMENT DEN BACKERS✕

ADD

Unit	The time of appointment to the unit	The time of removal from the object	
P 417 VSM <span style="float: right;">▼</span>	03/16/2018 00:00	03/20/2018 00:00	<div style="background-color: #00a0e3; color: white; padding: 2px 5px; border: 1px solid #00a0e3;">SAVE</div>
0028 Iveco AK 2092-7	07.03.2018 00:00	14.03.2018 00:00	<div style="background-color: #00a0e3; color: white; padding: 2px 5px; border: 1px solid #00a0e3;">DELETE</div>

OK

To add an unit to the list, click the **Add** button and select the required unit from the drop-down list.

Next, you need to fill in the following fields:

- Time of assignment to the unit;
- Time of removal from the unit.

After the end of the period of the driver's assignment to the unit, it will be impossible to obtain information on the driver's driving skills.

After filling in the fields, click **Save**. In order to add another unit to the list, repeat all the above steps.

To delete an unit from the list, click the **Delete** button opposite the name of the corresponding unit.

When the list editing is completed, click **OK**.

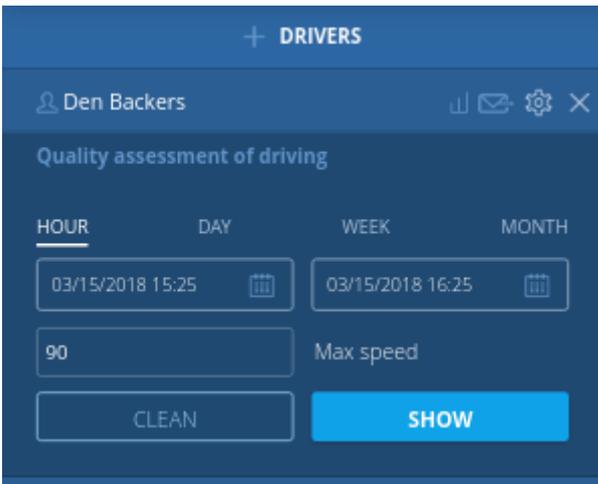
## Driving Quality Assessment

The report **Driving Quality Assessment** displays the violations committed by the driver and leads to the conclusion about the driving quality.

The following list of violations affecting the driving quality assessment is provided:

- Exceeding the specified speed;
- Dangerous maneuvering – 90 degree or more turn at a speed of more than 20 km/h;
- Hard acceleration – speed increase from a speed of less than 120 km/h by 20 km/h, provided that the speed of the object exceeded 120 km/h in a short period of time;
- Hard braking – reduction of the speed by 20 km/h in a short period of time.

The list of report filters is unfolded in the workspace of the window when you click icon .



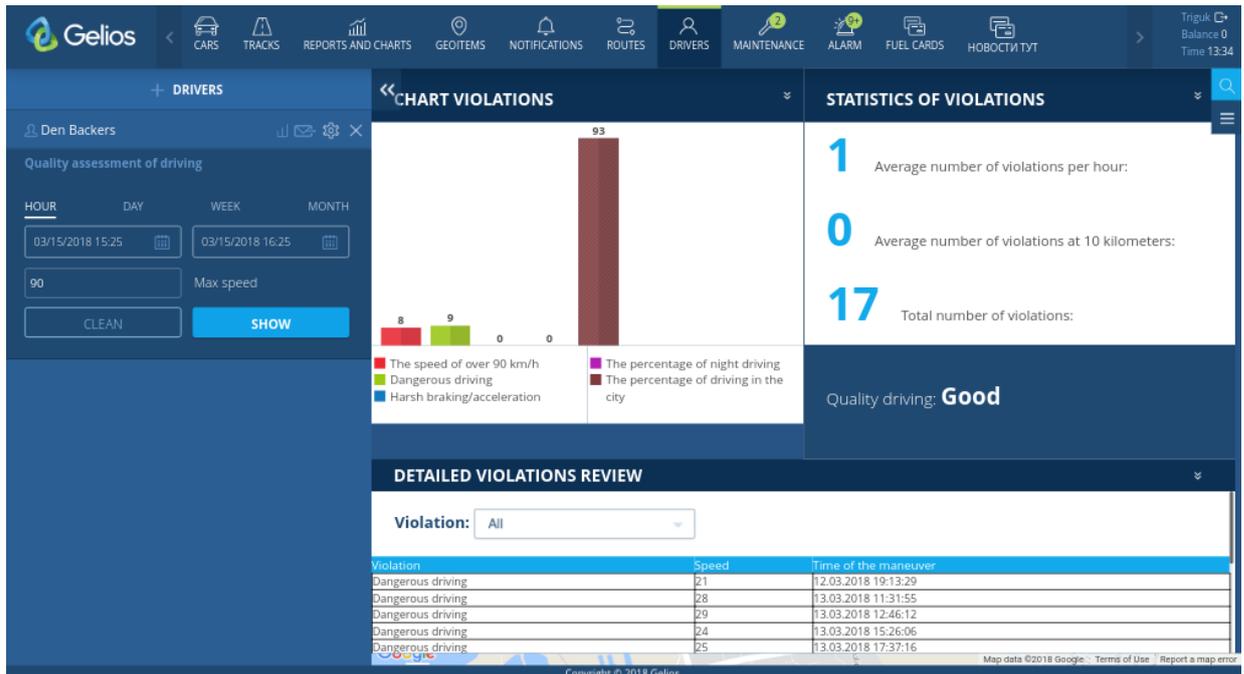
The screenshot shows a software interface for driver management. At the top, there is a blue header with a plus sign and the word 'DRIVERS'. Below this, the name 'Den Backers' is displayed with icons for list, email, settings, and close. The main section is titled 'Quality assessment of driving'. It features four filter tabs: 'HOUR', 'DAY', 'WEEK', and 'MONTH'. Under 'HOUR', a date and time '03/15/2018 15:25' is shown with a calendar icon. Under 'WEEK', a date and time '03/15/2018 16:25' is shown with a calendar icon. Below these, there is a text input field containing '90' and a label 'Max speed'. At the bottom, there are two buttons: 'CLEAN' and 'SHOW'.

To create a track report, you must specify a time interval. Standard intervals of the system are:

- Last hour (by default);
- Last day;
- Last week;
- Last month.

Next, you need to specify the maximum allowable speed for this driver.

To generate a report, click the **Show** button.



At the top of the report, there is a diagram showing the number of violations filtered by type, as well as the percentage of night and city driving.

Statistics of violations consists of:

- Average number of violations per hour;
- Average number of violations per 10 kilometers;
- Total number of violations.

A list of violations is provided at the bottom of the report. The Violation filter is provided for filtering the list by type of violation.

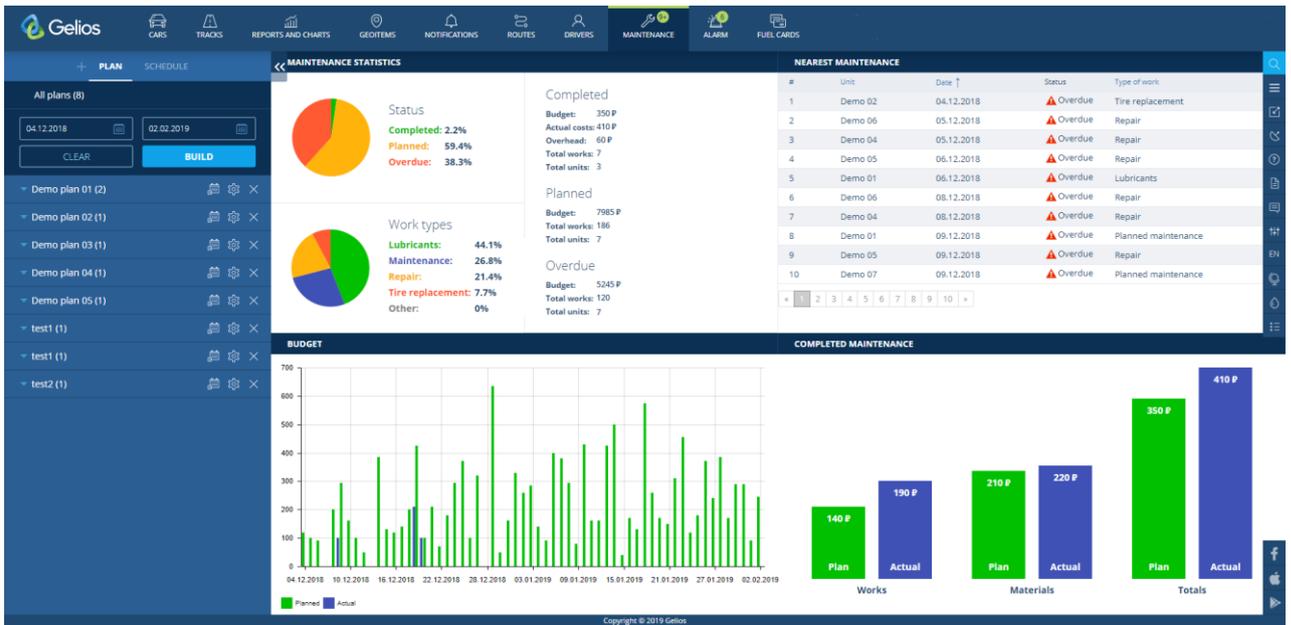
By clicking on a line, the point at which the violation was committed will be displayed on the map.

## Maintenance

The “Maintenance” module is intended to plan and monitor vehicle maintenance, as well as to predict the onset of a maintenance date based on engine hours and vehicle mileage. The module is divided into 2 main tabs:

### 1. Plan

The tab is intended to plan works and costs on vehicle maintenance, as well as for monitoring data on completed, planned and overdue works, presented in graphical form.



## 2. Schedule

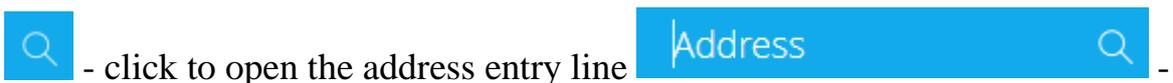
The tab is intended for entering data on the performance of vehicle maintenance works.

**SCHEDULE**

Object	Status	Date	Type of work	Calculation algorithm	Name	Cost
Truck 1	Atty	05.12.2018 - 03.02 X		Atty		
Truck 1	Overdue	06.12.2018	No	Every 1000 km	Test	300 P
Truck 1	Overdue	09.12.2018	No	Every 1000 km	Test	300 P
Truck 1	Overdue	13.12.2018	No	Every 1000 km	Test	300 P
Truck 1	Overdue	16.12.2018	No	Every 1000 km	Test	300 P
Truck 1	Overdue	20.12.2018	No	Every 1000 km	Test	300 P
Truck 1	Overdue	23.12.2018	No	Every 1000 km	Test	300 P
Truck 1	Done	24.12.2018	No	Every 1000 km	Test	300 P
Truck 1	Done	24.12.2018	No	Every 1000 km	Test	300 P
Truck 1	Overdue	27.12.2018	No	Every 1000 km	Test	300 P
Truck 5	Overdue	28.12.2018	Lubricants	Every 30 days	Test	1500 P
Truck 3	Overdue	28.12.2018	Lubricants	Every 30 days	Test	1500 P
Truck 4	Overdue	28.12.2018	Lubricants	Every 30 days	Test	1500 P
Truck 8	Overdue	28.12.2018	Lubricants	Every 30 days	Test	1500 P
Truck 1	Overdue	28.12.2018	Lubricants	Every 30 days	Test	1500 P
Truck 1	Overdue	31.12.2018	No	Every 1000 km	Test	300 P
Truck 1	Overdue	03.01.2019	No	Every 1000 km	Test	300 P
Truck 1	Nearest	07.01.2019	No	Every 1000 km	Test	300 P
Truck 1	Planned	10.01.2019	No	Every 1000 km	Test	300 P
Truck 1	Planned	14.01.2019	No	Every 1000 km	Test	300 P
Truck 1	Planned	17.01.2019	No	Every 1000 km	Test	300 P
Truck 1	Planned	21.01.2019	No	Every 1000 km	Test	300 P
Truck 1	Planned	24.01.2019	No	Every 1000 km	Test	300 P
Truck 1	Planned	27.01.2019	Lubricants	Every 30 days	Test	1500 P
Truck 5	Planned	27.01.2019	Lubricants	Every 30 days	Test	1500 P
Truck 8	Planned	27.01.2019	Lubricants	Every 30 days	Test	1500 P
Truck 5	Planned	27.01.2019	Lubricants	Every 30 days	Test	1500 P
Truck 9	Planned	27.01.2019	Lubricants	Every 30 days	Test	1500 P
Truck 3	Planned	28.01.2019	No	Every 1000 km	Test	300 P
Truck 7	Planned	31.01.2019	No	Every 1000 km	Test	300 P

## Toolbar

On the right side of the screen, there is a toolbar in the form of a side menu:



- click to open the address entry line -  
 Enter the address. After entering the address, press **ENTER** - the map will focus on the entered address.

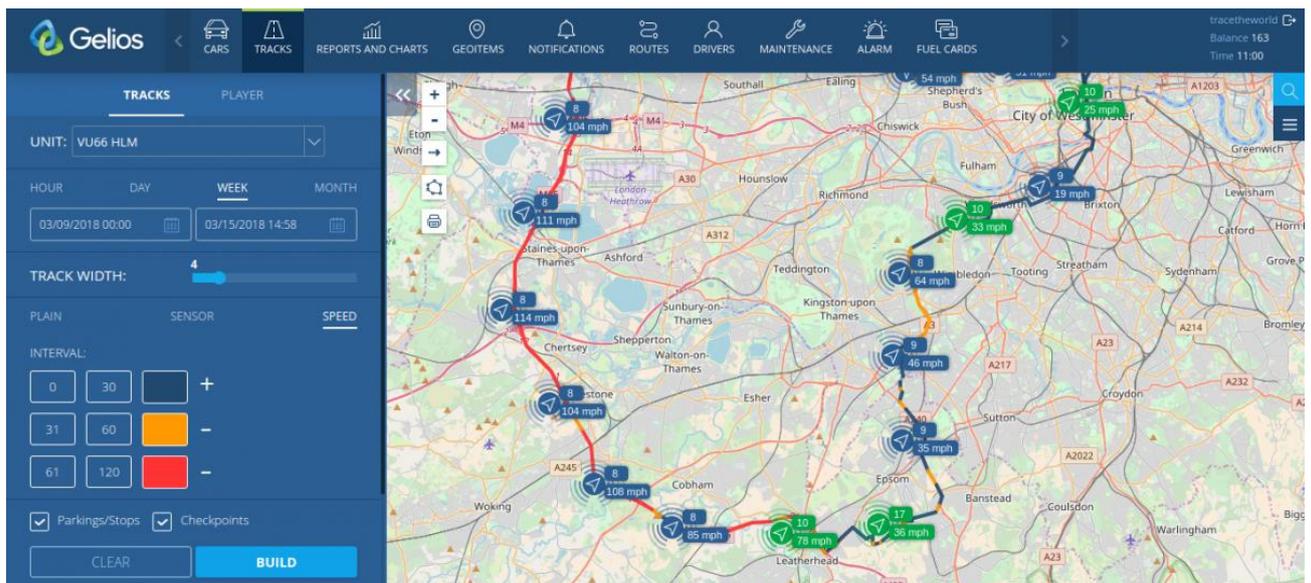


- Click to **hide / show** toolbar.

-  - Open import/export data menu.
-  - Open Locator menu.
-  - Contact technical support.
-  - Go to the documentation Gelios system.
-  - Open Chat menu.
-  - Open user settings menu.
-  - Change interface language.
-  - Change map service.
-  - Change interface colour scheme. The following themes are available: **dark blue** , **blue** , **orange** , **gray** .
-  - Click to **hide** / **show** module names in the main menu of the interface.

## Tracks

Gelios monitoring system allows you to recreate the route of the movement of the unit for a certain interval in the form of a track and to project it onto the map.



The following functions are available on the Tracks tab:

- Create a track of any unit for the specified interval;

- Track color lighting depending on parameters of sensors;
- Track color lighting depending on the speed of the unit;
- Display of stops and control points.

### ***Select an unit***

A track is created for only one unit. In this case, all the created tracks are saved and available for viewing until they are closed by the user.

The unit for which you want to create a track must be selected from the drop-down list.

### ***Time interval***

To create a track, you must specify a time interval. Standard intervals of the system are:

- Last hour;
- Last day (by default);
- Last week;
- Last month.

It is also possible to select an arbitrary time interval using the calendar.

### ***Track width***

Use the slider to specify the track width on the map. The increased width allows you to present the track more clearly and identify areas with different color design.

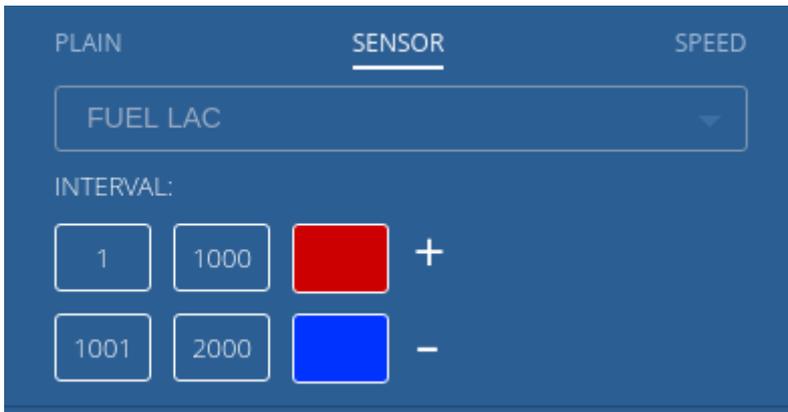
### ***Track color***

You can select the track color and to specify the color for each interval of sensor values (if any) or the speed of the unit.

It is first necessary to specify the track design variant:

- Single-color – build a track without using sensor data and speed. Only one color is used;
- Sensor – build a track using data from a specific sensor;
- Speed – build a track using speed data of the unit.

For the Sensor variant, select the sensor (if available). Depending on the type of sensor, you must create the required number of intervals and specify their limit values. For each interval, you can choose a different color from the color palette.

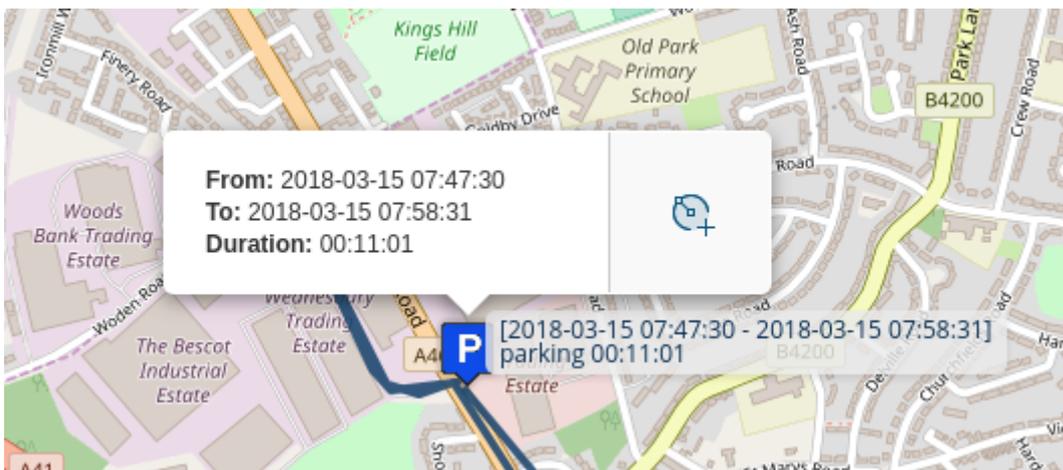


For the Speed variant, create the required number of intervals, specify their limit values, and choose the color.

### Display

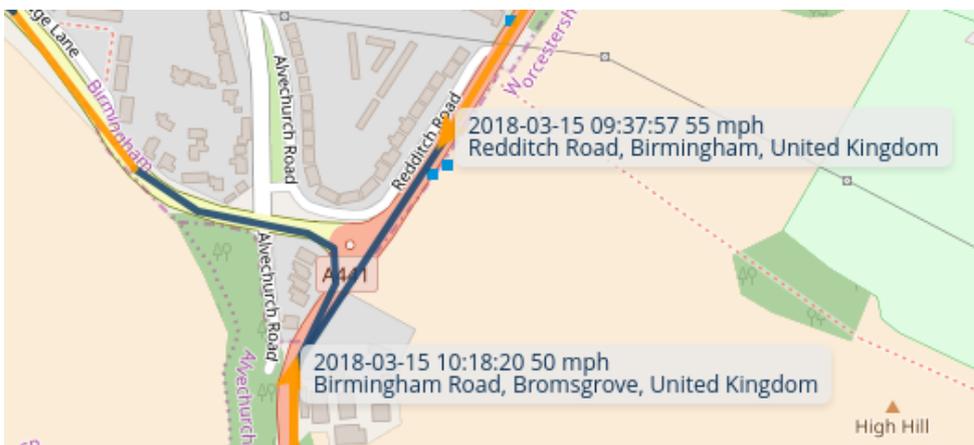
When creating a track, additional elements are displayed:

**1. Parking/Stops** – displays the stops of the unit for a certain time. A parking/stop is indicated on the map in the following way:

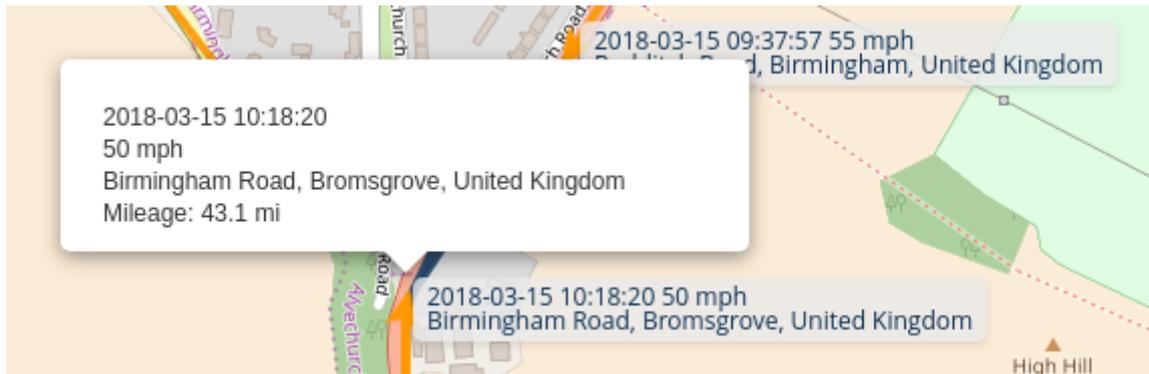


When you hover the cursor over the icon, additional information is displayed.

**2. Reference points** – detailed information on the state of the unit at a given time. Reference points are automatically inserted every 400 meters of the covered distance. The reference point is indicated on the map in the following way:



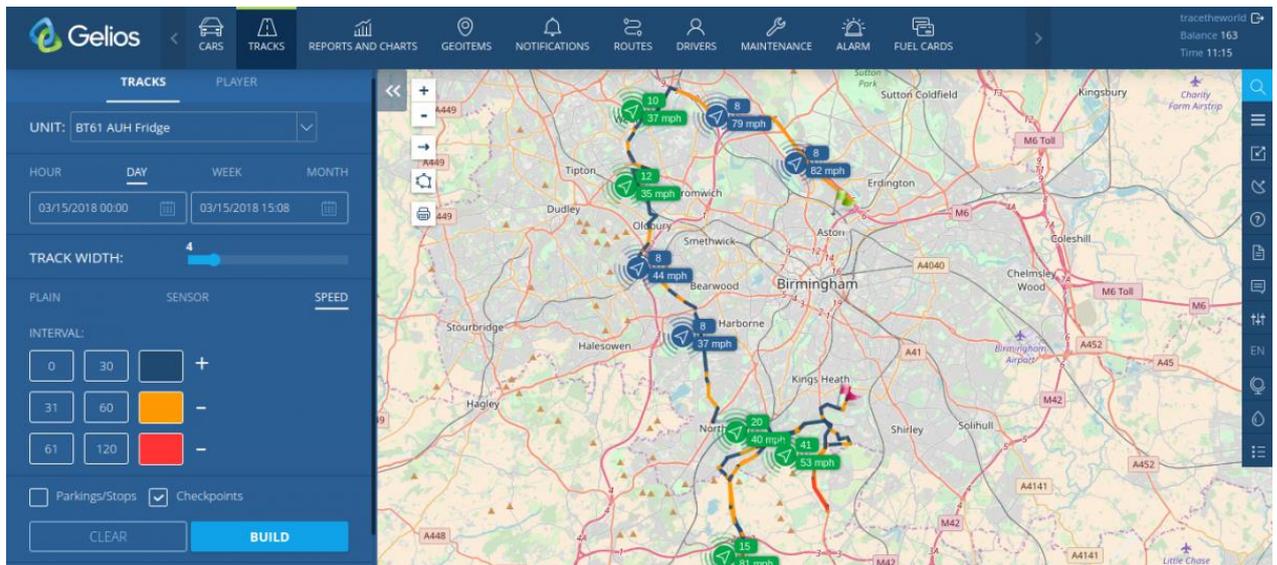
When you hover the cursor over the icon, additional information is displayed:



### ***Build a track***

When the required parameters are selected, click the **Build** button.

The route of the unit's movement, projected onto the map, is a line constructed according to the coordinates of the tracking system. In this case, the map is positioned in such a way that the entire track can be seen.



When the track is built, the information about the constructed track is displayed in the form of a player at the bottom of the workspace, and the new tab “Player” with additional information about the track is added.

In order to reproduce the movement of the unit along the track on the map, click the button . To increase the playback speed, click on “1X” and select the desired playback speed.

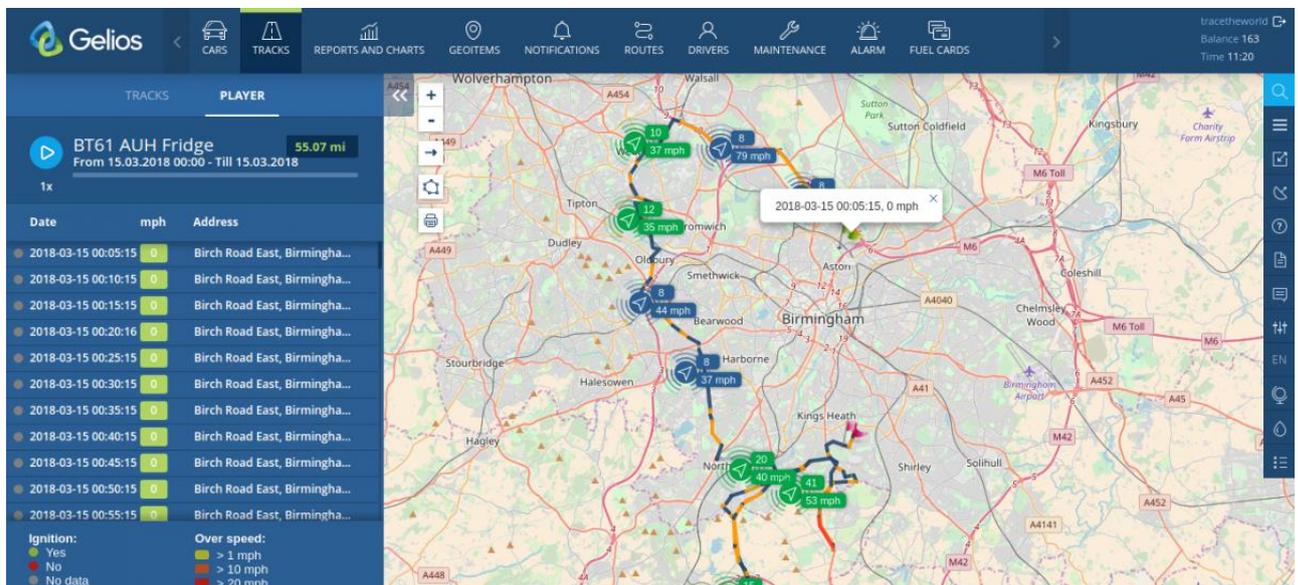
When you click on the icon  you go to the Player tab to get more detailed information on the constructed track.

**Important!** The dotted line on the unit track indicates that the unit went missing for more relocated to more than 120 meters. If the track is drawn on the map with a straight line through means that there was a loss of communication with the unit for a time of less than 600 seconds.

## Player

The **Player** tab is displayed only after at least one track has been created and if it contains additional information on the track:

- unit name;
- Track length;
- Time interval;
- Reference point data: ignition, date, current speed, address.

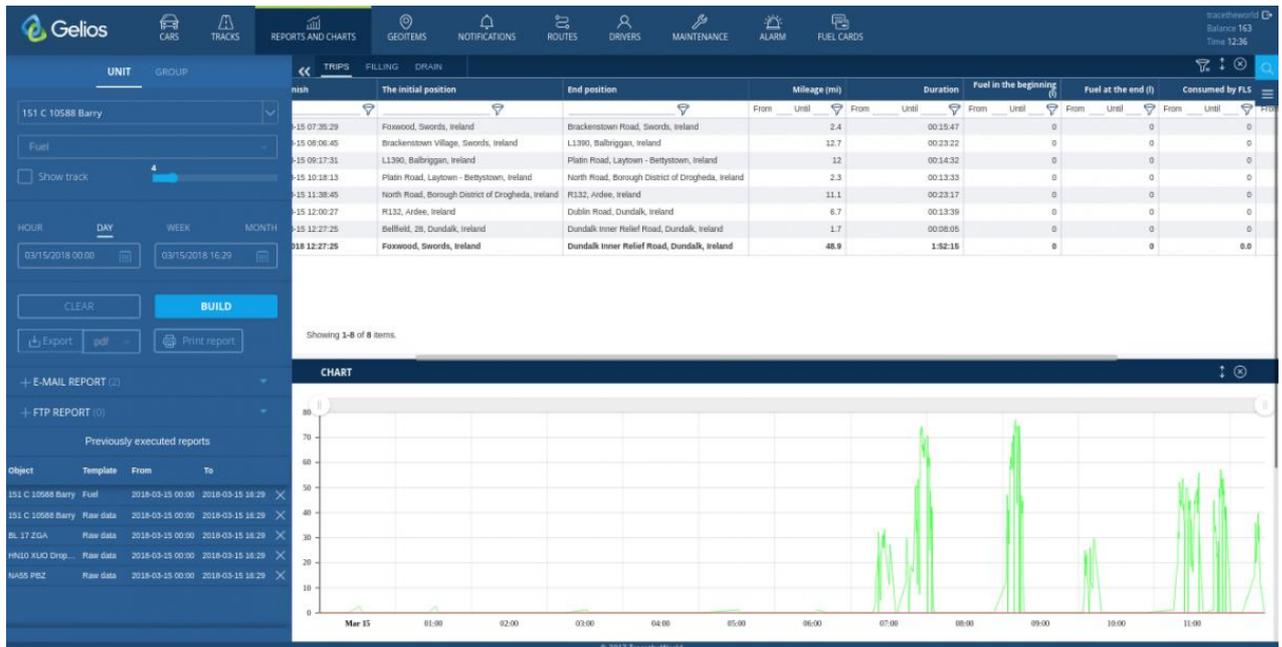


In order to replay the movement of the unit along the track on the map, click the button . To increase the playback speed, click on “1X” and select the desired playback speed.

When you click on a line with data, the map is positioned on the location of the unit as of the selected moment.

## Reports and Graphs

Being a monitoring system, Gelios allows you to generate an extensive set of reports under pre-set parameters. Reports can be used to justify the drivers' wages formation, fuel consumption accounting and other operations related to accounting. Following a comparative analysis of the data provided by such independent sources as the driver's verbal report and system readings, it is possible to prevent and suppress violations by dishonest employees. Reports on the activity of an unit can be presented in the form of tables and graphs. They can be viewed in a browser window, as well as exported to files of various formats.

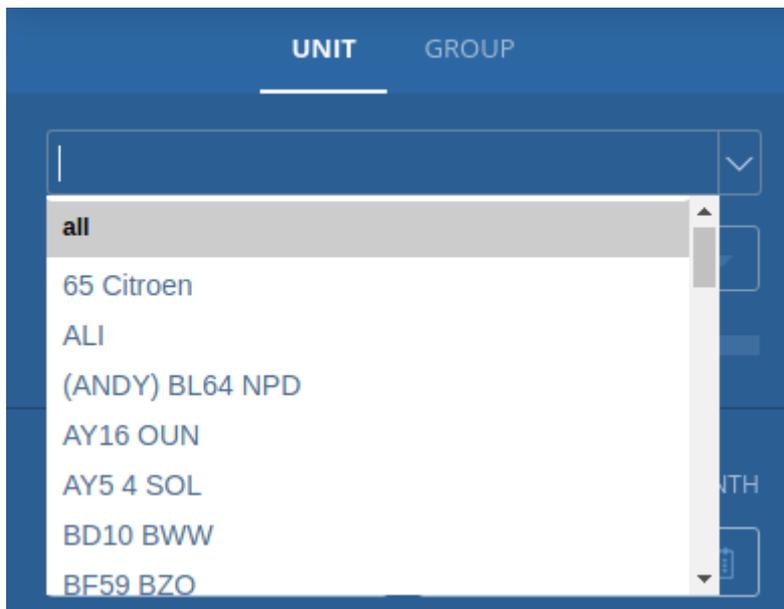


The following functions are available on the **Reports and Graphs** tab:

- Generate a report for a separate unit;
- Generate a report for a group of units;
- “Show the track on the map” (Display the track of the unit(s));
- Adjust the thickness of the track line on the map;
- Select the time interval for the report (Attention! The data on paid units are stored for 13 months, with 30 days on free units and the reporting period for the free unit being 1 day);
- Export reports in PDF, XLSX, HTML and print them;
- Set up periodic reporting;
- Archive of previously submitted reports.

## Report generation

Reports are generated for a separate unit or for a group of units. To select, click on the required tab and select an unit or group of units from the drop-down list, respectively.



The report is selected from the drop-down list. Reports from the Shared Templates group are reports that are available in Gelios by default.

To generate a report, you need to specify a time interval. Standard intervals of the system are:

- Last hour;
- Last day (by default);
- Last week;
- Last month.

**Important!** Reports for free units can be made within 24 hours.

It is also possible to select an arbitrary time interval with the use of a calendar.

The report is generated by clicking the Generate button. An example and description of the generated report is given in the subsection of the report window.

Click the **Clear** button to clear all the specified values.

In case of a report on geozones, an additional form for geozone/geozone group selection is displayed below the template. You can select a report template by route in the same way. You need to specify all required routes in the input box (it is possible to specify more than one route).

## Export

To export the generated report, select the file format with the data to be uploaded. The following formats are available:

- PDF;
- XLSX;
- HTML;

- CSV;
- XML.

After selecting the file format, click the **Export** button. As a result, the file of the selected format is created and then downloaded to the download directory specified in the user's current browser.

If necessary, the report can be immediately sent to print, which is why the **Print report** button is provided. In the opened window in the left part, there is a list of available tables, which can be excluded from printing if necessary.

### **Periodic reporting**

Gelios allows you to automatically generate certain reports on units or groups of units with the subsequent sending to the specified address and configure the sending at the specified time.

There are two ways to send reports:

- E-mail;
- FTP.

To configure the sending, click  opposite the desired sending method and fill in the form fields.

In the opened window, you need to select on which unit or group of units the report will be executed. Next, the fields are filled in:

For sending via **E-mail**, you must specify:

- E-mail to which the report will be sent;
- Frequency (every day, once a week, every two weeks, once a month);
- Report to be executed;
- Date and time when the report will be executed and sent;
- File format — PDF, XLSX.

EMAIL REPORT ✕

UNITS   GROUPS

65 Citroen

wheremymail@mail.com

Every day ▾

Fuel ▾

03/16/2018 00:00

pdf ▾

SAVE CANCEL

For sending via **FTP**, you need to specify:

- unit or group of units;
- report delivery period;
- report name;
- date and time of the report sending;
- format of the report file;
- FTP server address, user login and password.

FTP REPORT ✕

UNITS   GROUPS

65 Citroen

Every day ▾

Raw data ▾

03/15/2018 16:42

pdf ▾

ftp server

ftp login

ftp password

SAVE CANCEL

In such a manner, you can configure more than one report sending by each method. Customized sendings are displayed in the list and are editable. When the mouse is

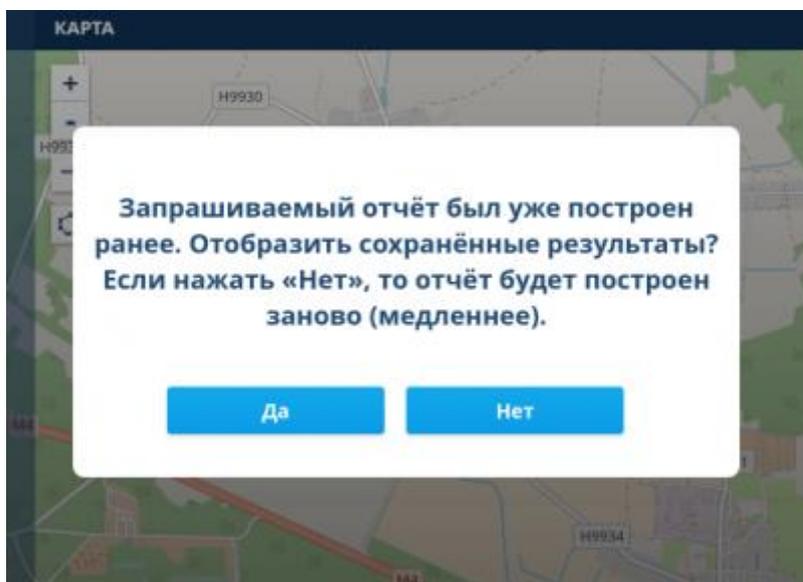
moved over the report name, additional delivery information is displayed on the screen.

## Report history

The archive stores versions of previously executed reports. In case you need to download a report that was executed earlier, you can download it from the archive, which will save considerable time for its execution.

Previously executed reports				
Object	Template	From	To	
151 C 10588 Barry	Fuel	2018-03-15 00:00	2018-03-15 16:29	✕
151 C 10588 Barry	Raw data	2018-03-15 00:00	2018-03-15 16:29	✕
BL 17 ZGA	Raw data	2018-03-15 00:00	2018-03-15 16:29	✕
HN10 XUO Drop...	Raw data	2018-03-15 00:00	2018-03-15 16:29	✕
NA55 PBZ	Raw data	2018-03-15 00:00	2018-03-15 16:29	✕

If some data changes, the system checks to see if the report exists in its memory and prompts you to choose whether to run the report or download it from memory. The changed data may be regarded as changing the settings of units, sensors, etc.



If you click **Yes**, the report will be downloaded from the archive, if **No** — the report will be regenerated.

## Report window

The information on the unit/group of units available in the database is presented in the form of tables. The top of the window is the window masthead, which contains logics included in the report. Also, there are window controls (hide/show filters,

maximize the window, minimize the window). When you click on the entry line, the map is focused (if possible) on the selected interval.

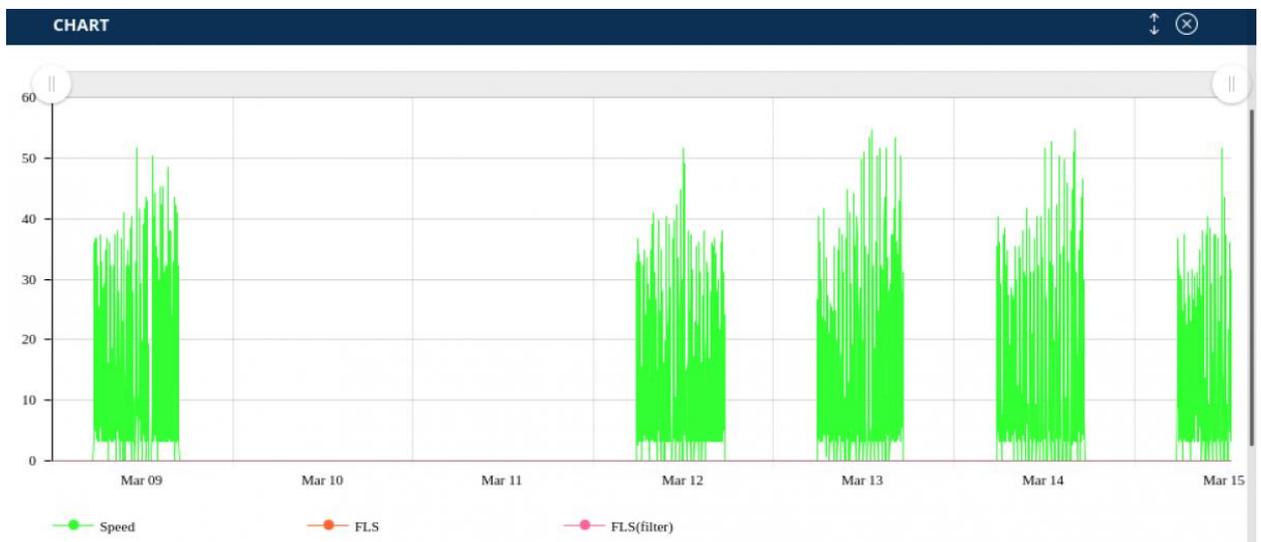
Time start	Time finish	The initial position	End position	Mileage (mi)		Du
				From	Until	
2018-03-09 05:31:08	2018-03-09 09:25:08	Dudley Road, Winson Green, Birmingham, England, United Kingdom	Lyndon, Birchfield, Sandwell, England, United Kingdom	49.1		03:54:00
2018-03-09 09:30:40	2018-03-09 10:54:27	Lyndon, Birchfield, Sandwell, England, United Kingdom	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	16		01:23:47
2018-03-09 11:00:37	2018-03-09 11:25:52	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	Lyndon, Birchfield, Sandwell, England, United Kingdom	5.5		00:25:15
2018-03-09 11:33:49	2018-03-09 12:52:09	Grafton Road, 14-19, Birchfield, Sandwell, England, United Kingdom	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	16		01:18:20
2018-03-09 13:15:02	2018-03-09 16:56:51	Northbrook Street, 136, Winson Green, Birmingham, England, United Kingdom	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	43.3		03:41:49
2018-03-12 05:44:41	2018-03-12 09:25:32	Western Road, Ladywood, Birmingham, England, United Kingdom	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	42.7		03:40:51
2018-03-12 09:31:07	2018-03-12 10:25:19	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	Dudley Road, Winson Green, Birmingham, England, United Kingdom	10.8		00:54:12
2018-03-12 10:31:10	2018-03-12 11:52:45	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	Lyndon, Birchfield, Sandwell, England, United Kingdom	16.1		01:21:35
2018-03-12 12:02:15	2018-03-12 12:26:04	Grafton Road, 14-19, Birchfield, Sandwell, England, United Kingdom	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	5.4		00:23:49
2018-03-12 12:33:49	2018-03-12 17:34:37	Dudley Road, Winson Green, Birmingham, England, United Kingdom	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	54.3		05:00:48
2018-03-13 05:49:13	2018-03-13 09:24:23	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	Carlisle Street, Winson Green, Birmingham, England, United Kingdom	43.1		03:35:10

Showing 1-11 of 34 items. << 1 / 4 >>

Each column of the report contains a filter that allows you to flexibly configure the display of the received data. To do this, place the cursor in the appropriate field and enter a value or range of values, depending on the type of data in the current column. To apply the filter, click on the icon

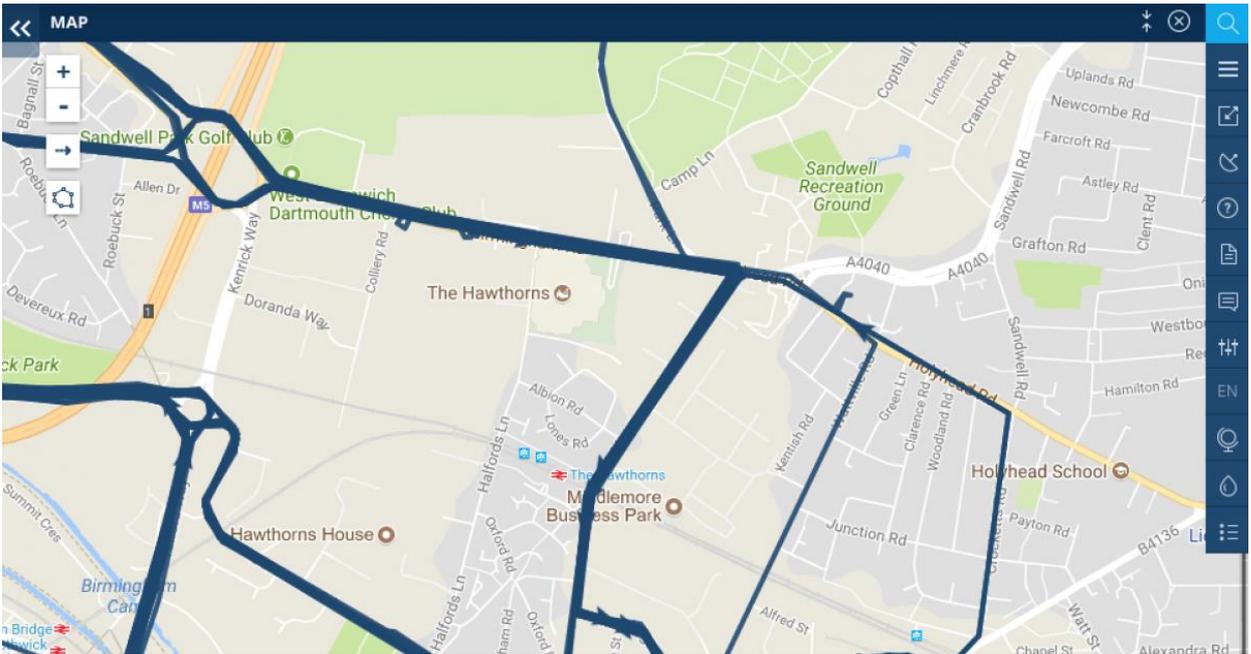
## Graph

This window is available in reports where graphs are created. When the mouse is moved over the graph, the information is displayed in this message. When you press the cursor on the graph and move it for some distance, the selected area will be highlighted and the graph will automatically focus on it. Besides, you can disable graphic elements in the marginal notes.



## Map

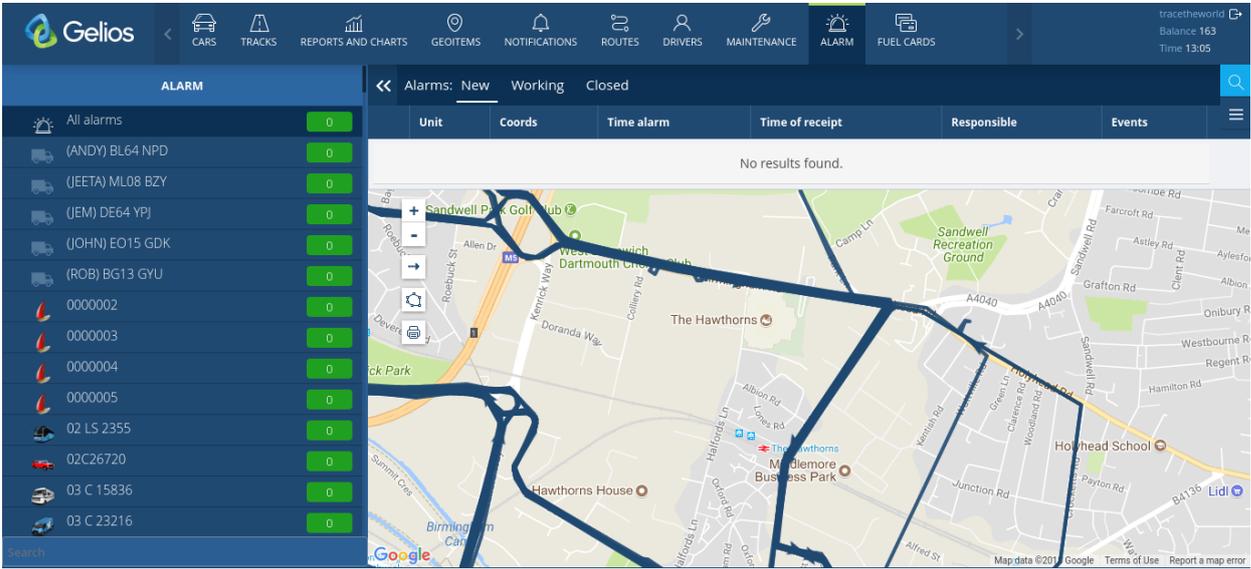
The window displays the map on which the unit is represented (or the track when the track display is on).



## Alarm

Gelios monitoring system allows you to track the alarm sensor triggering (the so-called alarm button) installed in the vehicle and notify the operator of it in order to take appropriate prompt actions.

The monitoring system does not limit the user to which sensor will be used as an alarm sensor. If necessary, a smoke detector, a temperature sensor, a door opening sensor, etc. can act as such.



In the workplace of the window, there is a list of all units of the current user. When clicking on the unit, the central part of the window displays a list of records with information on the sensor triggering. In order to display records for all units, click on the **All Alarms** line.

Depending on the processing status, the records are divided into three groups:

- New – Received alarms;
- In progress – Alarms to be processed;
- Closed – Processed alarms.

Each record is characterized by the following parameters:

- Unit;
- Coordinates;
- Alarm time;
- Receipt time;
- Responsible person - Employee of the company who started to process the alarm;
- Events – List of actions taken for the alarm.

When you click on a cell in the Coordinates column, the map shows the point at which the alarm sensor was triggered.

With the status in progress, it is possible to add an event description. To do this, click the icon  in the Events column. As a result, a form will open to describe the alarm event.

**EVENT ALARM**
✕

Event

Date  

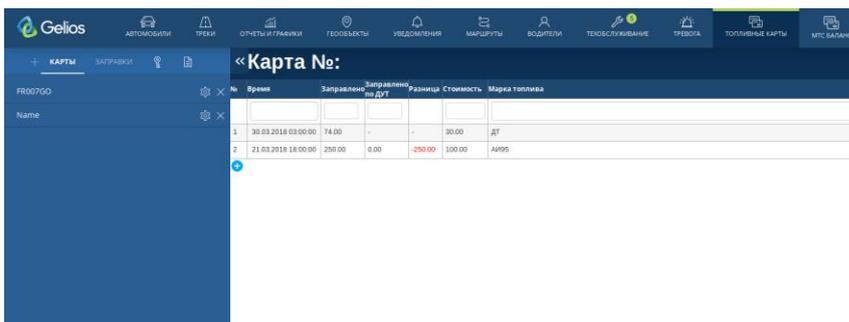
SAVE

CANCEL

You need to specify the event description and date in the form. Click the Save button to save the changes.

## Fuel Cards

Gelios monitoring system allows you to add fuel cards to units and monitor their use. In combination with the fuel level sensor (FLS), the monitoring system allows you to keep a record of fuel and warn about possible excessive consumption or drain.



The screenshot shows the Gelios monitoring system interface. The top navigation bar includes icons for 'КАРТЫ', 'ЗАПРАВКИ', 'ОПЕЧКИ И ПЛАВКИ', 'ГЕОЛОКАЦИЯ', 'УВЕДОМЛЕНИЯ', 'МАРШРУТЫ', 'ВОДИТЕЛИ', 'ТЕЛОСЛУЖИВАНИЕ', 'ТРЕБКА', 'ТОПЛИВНЫЕ КАРТЫ', and 'МТС БАЛАНС'. The main content area is titled '<< Карта №:' and displays a table with the following data:

№	Время	Заправлено		Разница	Стоимость	Марка топлива
		л	л/дл			
1	30.03.2018 03:00:00	74.00	-	-	30.00	ДТ
2	21.03.2018 18:00:00	250.00	0.00	-250.00	100.00	АИ95

The following functions are available on the **Fuel Cards** tab:

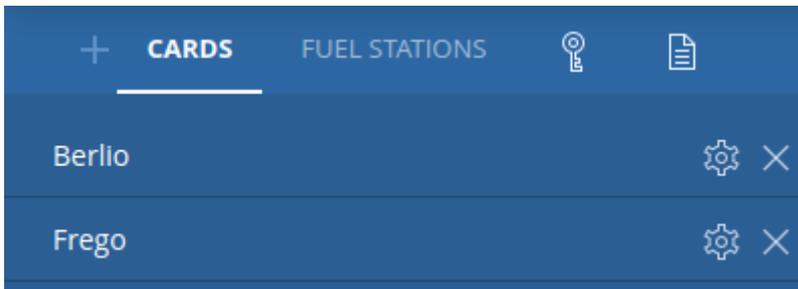
- Assign a fuel card to the unit;
- Maintain the use history of the fuel card;
- Determine the difference between the real value and the specified value;
- Calculate the amount of each fuelling;
- Search and display of fuel stations on the map.

The workspace of the Fuel Cards section contains the following switches:

- Fuel cards – List of fuel cards;
- Filling stations – List of petrol stations.

### *Fuel cards*

By clicking the Fuel Cards switch, a list of fuel cards is displayed. When the mouse is moved over the line, detailed information on the fuel card is displayed.



The following elements are located in the line with the fuel card name:

#### **Icon**

#### **Action**

Go to fuel card settings

Delete the fuel card

To add a fuel card, click the icon  opposite the **Fuel Cards** switch. As a result, the form for creating a fuel card will be displayed on the screen.

FUEL CARD
✕

Personal card ▾

 A SEPARATE CARD FOR THE UNIT

Name

**UNITS**

SELECT ALL

<input type="checkbox"/> CHEKMATE	<input type="checkbox"/> KAY PAULA	<input type="checkbox"/> SUN QUEST
<input type="checkbox"/> STORMCHILD	<input type="checkbox"/> WAY-TO-GO	<input type="checkbox"/> GET HER DONE
<input type="checkbox"/> MGM	<input type="checkbox"/> PER DIEM	<input type="checkbox"/> FREE SPIRIT
<input type="checkbox"/> BLUE DIAMOND	<input type="checkbox"/> LIVING THE DRE...	<input type="checkbox"/> ST GERAN
<input type="checkbox"/> CATCH A CAT	<input type="checkbox"/> COLLEEN	<input type="checkbox"/> VOYAGER
<input type="checkbox"/> INDIGO DIVERS	<input type="checkbox"/> BOMBAY BLUE	<input type="checkbox"/> BN17 CUG
<input type="checkbox"/> JOE ODRISCOLL	<input type="checkbox"/> OUR BOAT TOO	<input type="checkbox"/> F RIB
<input type="checkbox"/> ALI	<input type="checkbox"/> CASCABEL	<input type="checkbox"/> JELOTH
<input type="checkbox"/> THE CLIFF	<input type="checkbox"/> CHOU CHOU	<input type="checkbox"/> KILLERWHALE2
<input type="checkbox"/> CORMACO	<input type="checkbox"/> BLACK SWAN	<input type="checkbox"/> 05 C 27007 VIP
<input type="checkbox"/> -----	<input type="checkbox"/> -----	<input type="checkbox"/> -----

SAVE
CANCEL

It is necessary to specify a non-cash payment system from the drop-down list.

**Important!** It is possible to add other payment systems. To that end, contact managers of t

In addition, it is possible to select the value “Personal Card”. Using a personal card allows you to independently specify information for each fuelling.

If you select the **Personal Card** value, the form displays an additional option in the form of the checkbox **Individual card for the unit**. When selected, a separate personal map will be created for each selected unit.

Next, you must specify the name of the fuel card and the identifier. For a personal card, when you have chosen **Individual card for the unit**, the name of the unit is used as the name of the map.

At the end of the creation operation, you should specify the units to which this fuel card is attributed. You can select multiple units for one fuel card.

To complete the creation of the fuel card, click the **Save** button.

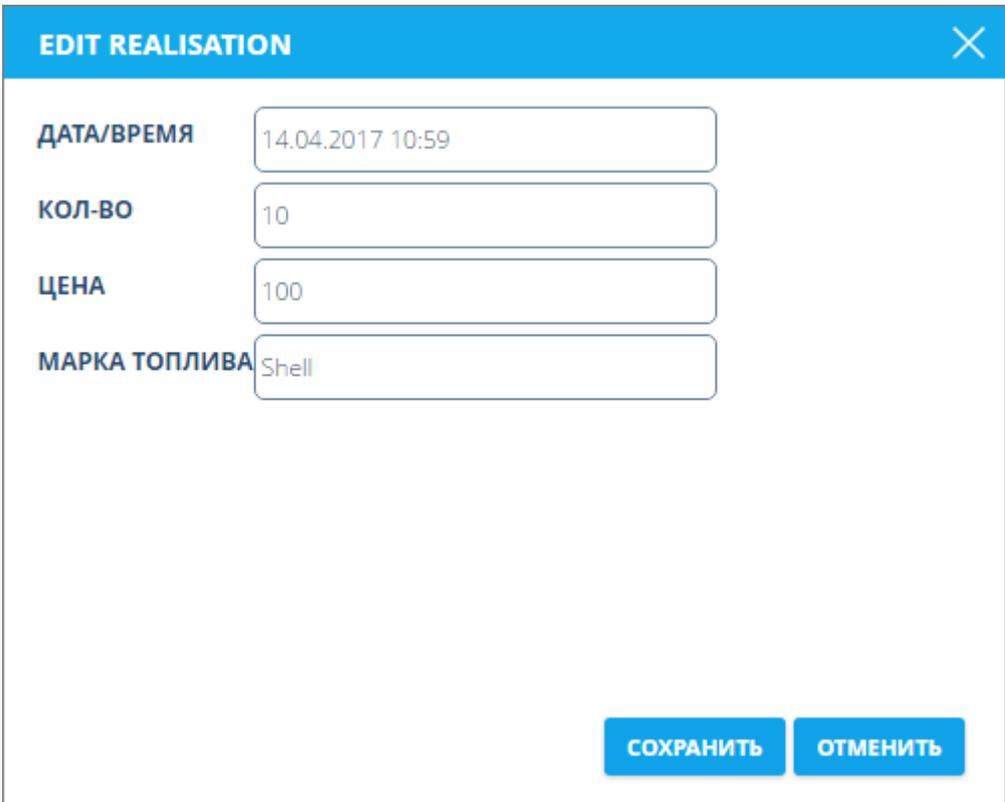
When you click on the fuel card, the history of the current card is displayed in the center of the window.

The record is characterized by the following fields:

- Item number;
- Time;
- Filled;

- Filled acc. to the FLS;
- Difference;
- Cost;
- Fuel grade.

When using personal cards, click the icon  to add a new entry. As a result, the following form will be opened:



ДАТА/ВРЕМЯ	14.04.2017 10:59
КОЛ-ВО	10
ЦЕНА	100
МАРКА ТОПЛИВА	Shell

СОХРАНИТЬ    ОТМЕНИТЬ

Click the **Save** button to save the entry.

When the record is created, the monitoring system automatically compares the indicated amount of fuel and the fuel level according to the fuel level sensor (FLS), if any. The difference between the values is entered in the Difference column, which allows you to establish a possible fact of excessive use.

For quick record search, a filter is provided for the following fields:

- Time;
- Filled;
- Filled acc. to the FLS;
- Cost;
- Fuel grade.

When you enter a value in any specified field, the corresponding entries are automatically selected.

«Карта №:

№	Время	Заправлено	Заправлено по ДУТ	Разница	Стоимость	Марка топлива	
	<input type="text"/>	<input type="text"/>	<input type="text"/>		<input type="text"/>	<input type="text"/>	
1	30.03.2018 03:00:00	74.00	-	-	30.00	ДТ	
2	21.03.2018 18:00:00	250.00	0.00	-250.00	100.00	АИ95	

### *Filling stations*

When clicking on the Filling Stations switch, a list of fuel stations is displayed. When the mouse is moved over the name of the filling station, detailed information about the station is displayed.

CARDS    **FUEL STATIONS**

Berlio     Frego     Personal card  
 Masters     PetrolPlus

Do not show on map    Found: 1077

- АЗС №24 ИООО "Газпромнефть-Белнефтепрод...
- АЗС 25 ИООО РН-Запад (Славнефть)
- АЗС 35 РУП ПО Белоруснефть-Гомельоблнефт...
- АЗС №13 "Белоруснефть-Брестоблнефтепроду...
- АЗС №2 "А-100"
- АЗС №32 ИООО "РН-Запад"

To search for a **filling station**, you need to specify the name and/or address of the station. To filter by the payment system, you should mark the checkbox opposite the name of the desired system. Search is performed after clicking the **Search** button.

In order to display filling stations on the map, you must set the switch to **Show on map**.

