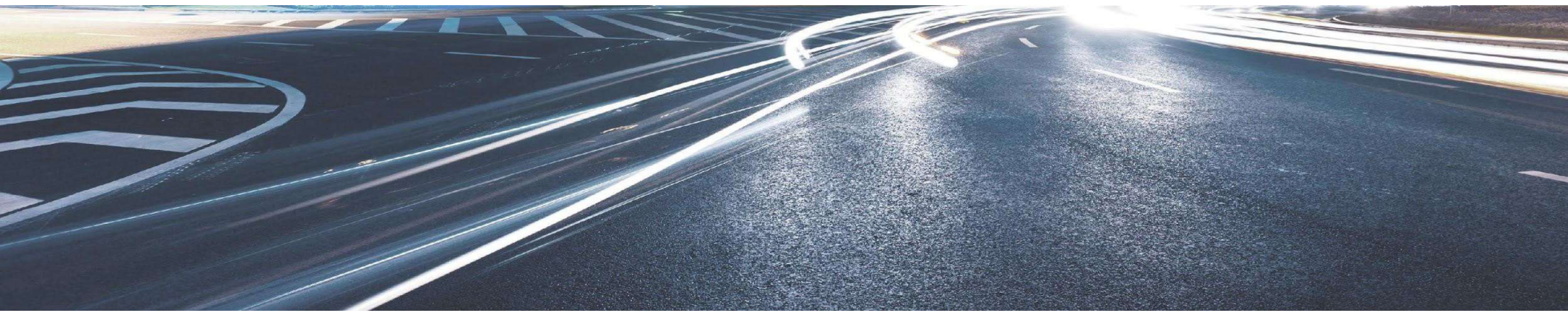




IoTplot platform

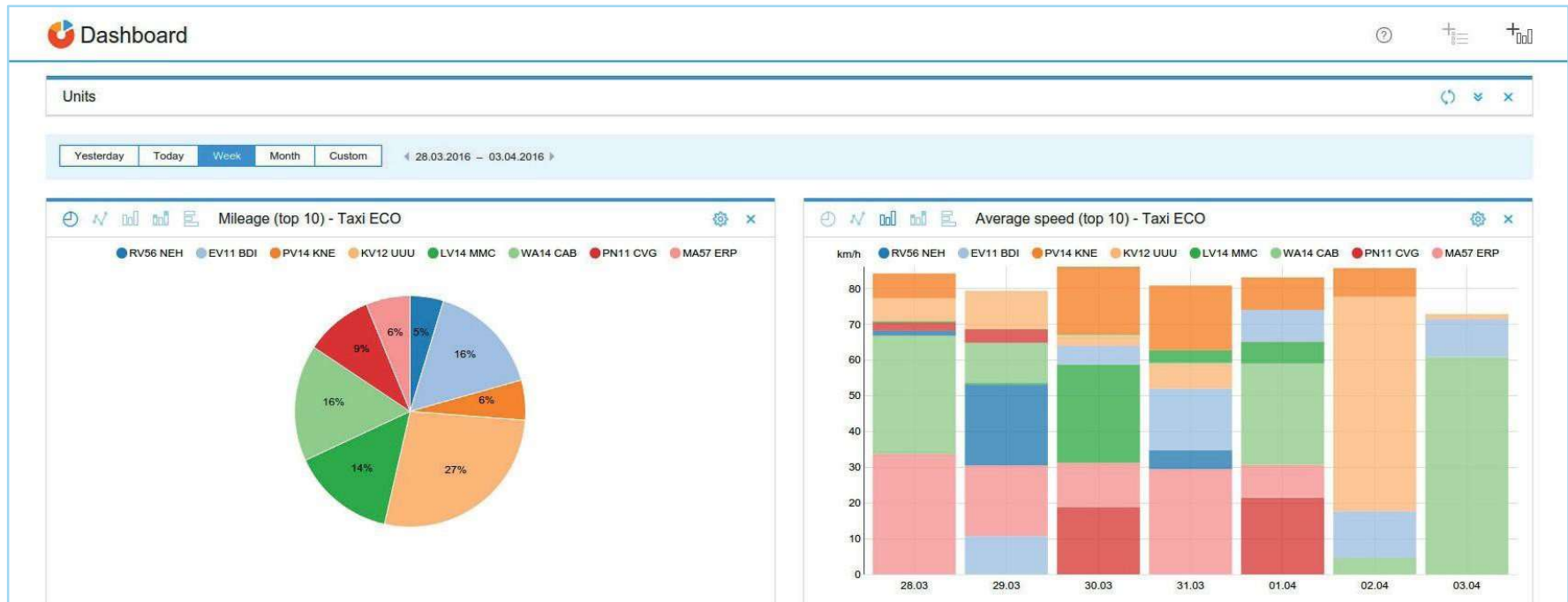
Geolime has partnered with Wialon to provide the ultimate integrated fleet management and Internet of Things (IoT) platform: IoTPlot™. Companies from all over the world choose Wialon's backend systems since it utilizes a powerful set of technologies to keep customers aware of vehicle activity, technical condition, status, geographical location and connected sensor readings. As of 2023, the system tracks over 3,6 million mobile and stationary units in 150+ countries of the world. We offer two variations of GPS terminals to capture data for the system: OBD plug and play terminals, and wire-in terminals. Additionally, your smartphone can function as a fully-featured GPS-terminal with the compatible WiaTag app installed.



System functionality:

- Fleet performance analysis
- Wireless sensor connectivity
- Precise location service
- Route optimization tools
- Route points visit control
- Driver identification
- Engine hours monitoring
- Address search
- Nearest units search
- Trailer/tool tracking
- Fuel fillings and thefts accounting
- Eco Driving module for driver behavior analysis
- Temperature control
- OBD data reading
- Door status monitoring
- Panic/SOS button
- Mobile access
- Custom reports

Dashboard



A perfect tool for business data analysis and visualization. Fleet performance analysis is based on data from such indicators as mileage, fuel consumption, engine hours, average and maximum speed, idling, geofences and driving time.

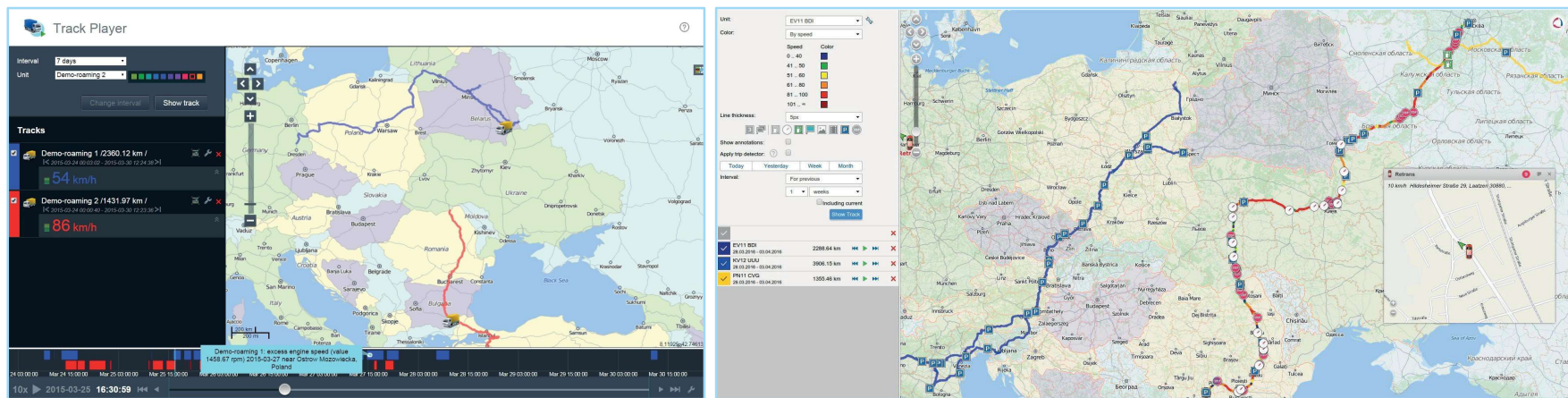
Using the app you can receive charts on the basis of any chosen parameter or carry out comparative analysis.

You can add any number of charts and change the order by dragging to any place within the work area.

Linear, circular or bar charts are available for data visualization, while multicharts provide the insight into correlations between two different KPIs.

The system allows you to choose any number of units, a particular unit or a unit group for further analysis.

Online Monitoring: Tracks and Minimaps



Track Player application

Track Player allows to create multiple tracks and play them simultaneously.

- Get quick access to relevant data via event marker tooltips.
- Observe units moving smoothly on the map
- Enjoy convenient interface while navigating the timeline
- Change playback speed.
- Track values of various parameters and sensors.
- Track color depends on several parameters (speed, sensor values, etc.) and may vary.

Online Monitoring – Instant Notifications



Receive notifications by email or in a popup window if a certain event occurs (e.g. a unit violates speed limit, a panic button is pressed, sensor values have changed, connection is lost, over idling is detected or a unit arrives at a control point).

Places where events/violations took place are marked on the map.

Notification text and time of the event/violation are displayed in a popup window.

No	Event time	Event text
1	2015-03-27 08:55:30	Blue_Twingo 7252 OK-7 (BCE_eco) returned to office at 2015-03-27 08:55:30.
2	2015-03-27 15:24:06	Blue_Twingo 7252 OK-7 (BCE_eco) returned to office at 2015-03-27 15:24:06.
3	2015-03-30 15:00:00	Maintenance service 'Oil change' was registered.
4	2015-03-31 09:40:00	Fuel filling of 45 lt to the amount of 54.45 was made.
5	2015-03-31 09:43:12	Blue_Twingo violated speed limitations. At 2015-03-31 09:43:12 it moved with speed 93 km/h near

Online Monitoring - Mobile App

The mobile app is a user-friendly and handy mobile interface. The design is responsive and conveniently displays data on vehicles and sensors.

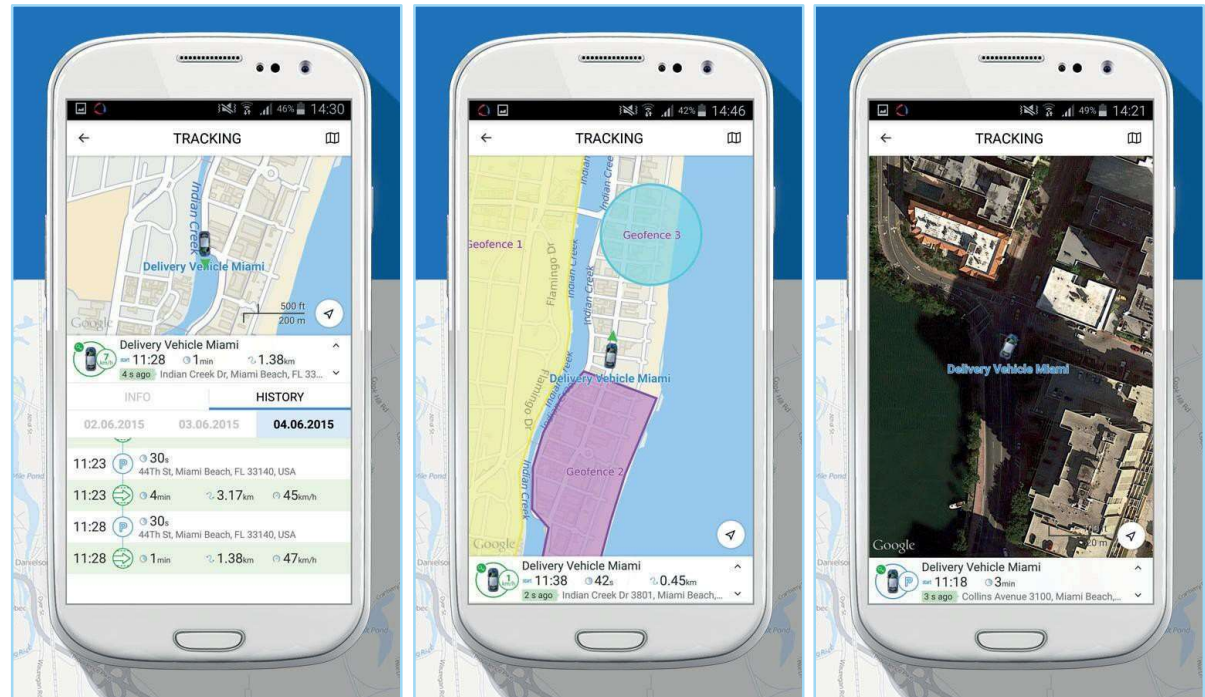
Events catalogue features a brief overview of all trips and stops with detailed track history available on each.

Drag-and-drop menu helps to visualize vehicle data in a manageable and customizable manner. Once you've selected a unit, the map is scaled and centered to its location.

You can choose from a variety of cartographic services, including Google Maps (with live traffic data), Bing Maps and proprietary GIS.

For an advanced user experience with the Mobile App, easily switch to the Dashboard for bringing the KPIs of your fleet to your fingertips.

The Mobile App is available to Android and iOS users.



Fuel Consumption Monitoring

	No	Grouping	Time	Location	Initial fuel level	Stolen	Sensor name	Driver	Count	Notes
<input type="checkbox"/>	1	2016-04-04	21:49:20	Brugge, Belgium	364 lt	151 lt	CAN - FLS	testDR	6	----
<input type="checkbox"/>	2	2016-04-05	23:26:18	15K2001, 6.38 km from Paris	212 lt	194 lt	CAN - FLS	testDR	7	----

You can receive tabular reports on all fuel fillings (with precise date, time, unit location and initial fuel level value).

	No	Grouping	Time	Location	Initial fuel level	Filled	Registered	Difference	Sensor name	Driver	Count	Notes	Final fuel level
<input type="checkbox"/>	1	2016-04-05	16:56:34	66H1836, 11.29 km from London	90 lt	630 lt	0 lt	630 lt	CAN - FLS	testDR	2	----	720 lt
<input type="checkbox"/>	2	2016-04-06	00:20:58	Fleet Street, London	634 lt	32.40 lt	0 lt	32.40 lt	CAN - FLS	testDR	1	----	666 lt

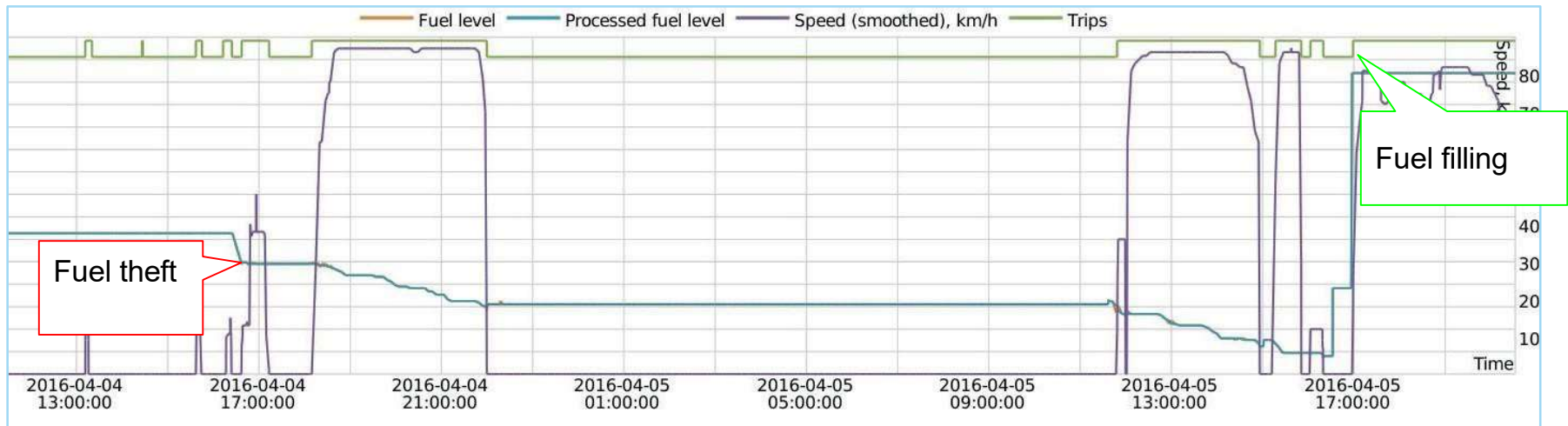
No	Date	Mileage	Consumed by rates	Consumed by CAN	Avg consumption by CAN	-Savings/+Losses
1	2015-03-14	389.98	130.85 lt	137.00 lt	32.46 lt/100 km	6.15 lt
2	2015-03-15	503.32	149.82 lt	151.50 lt	31.35 lt/100 km	1.68 lt
3	2015-03-18	191.28	73.84 lt	45.50 lt	19.10 lt/100 km	-28.34 lt
4	2015-03-19	298.86	92.61 lt	88.00 lt	29.46 lt/100 km	-4.61 lt
5	2015-03-20	749.95	233.13 lt	189.50 lt	25.20 lt/100 km	-43.63 lt
6	2015-03-21	554.58	173.49 lt	163.50 lt	29.22 lt/100 km	-9.99 lt
7	2015-03-23	611.34	202.32 lt	176.00 lt	26.97 lt/100 km	-26.32 lt
-----	-----	3299.32	1056.07 lt	951.00 lt	27.92 lt/100 km	-105.07 lt

Using the reports you can easily analyze fuel consumption over a given period of time and compare it to the standard fuel consumption rate. Statistics on each unit and the whole fleet is available. This data is only available with OBD terminals connected to vehicles with supported fuel level sensors. For a list of compatible vehicles, visit

<https://fleetometer.com/obd/#infotabs|2>

Fuel Consumption Control

IoTplot users can track the history of fuel fillings and thefts over any period of time on the chart (supported by OBD terminals).



A click on a chart point lets you see additional information, including precise vehicle location and fuel level at the moment.

For the purpose of comprehensive analysis the system uses OBD fuel level data.

Mileage and Engine Hours

Grouping	Area	Time in	Time out	Duration in	Mileage	Total time
Camión	232.31 ha	2016-04-04 00:28:44	2016-04-06 14:59:52	5:12:01	265.12 km	2 days 14:31:08
Citroen C1-Tom	232.31 ha	2016-04-04 00:04:07	2016-04-06 15:08:52	13:29:32	430.98 km	2 days 15:04:45
Frimen's Bentley Azure	232.31 ha	2016-04-04 00:14:24	2016-04-06 14:56:24	1:58:01	0.00 km	2 days 14:42:00
Honda Civic	232.31 ha	2016-04-04 00:17:51	2016-04-06 14:46:16	0:34:48	9.27 km	2 days 14:28:25
Iveco 3512-KL2_r	232.31 ha	2016-04-04 00:41:54	2016-04-06 14:48:39	2:00:44	0.00 km	2 days 14:06:45
VW Caravelle E-6671	232.31 ha	2016-04-04 00:06:42	2016-04-06 15:08:54	7:47:17	0.00 km	2 days 15:02:12
Total	232.31 ha	2016-04-04 00:04:07	2016-04-06 14:59:52	1 days 7:02:23	705.36 km	15 days 15:55:15

Utilization Cost

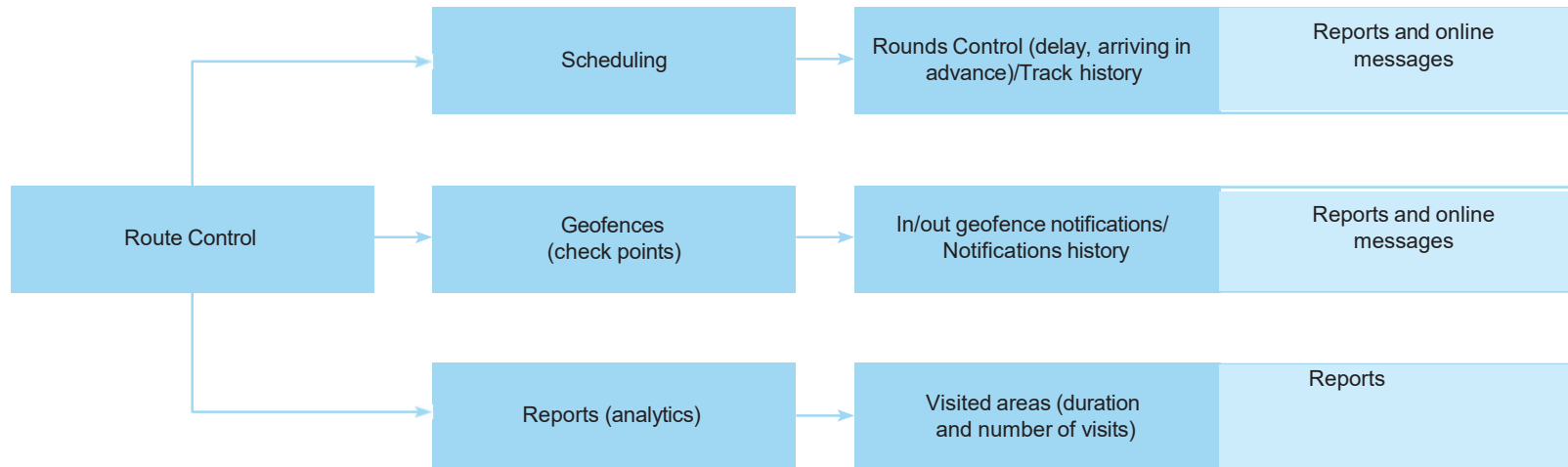
Time	Registration time	Expense item	Description	Location	Cost
2016-04-25 20:04:00	2016-04-27 20:05:51	Maintenance	Fuel filling	Germany, Paul-Schneider-Straße, Gispersleben 99091, Erfurt	75.00
2016-04-27 19:55:00	2016-04-27 19:57:12	Maintenance	Oil/filters	Germany, Goldbach 14, Mitte 33615, Bielefeld	100.00
2016-04-27 19:57:00	2016-04-27 19:57:57	Filling	Fuel filling of 100 lt	Germany, Terminal-Ring, Lohausen 40474, Düsseldorf	120.00
2016-04-28 10:30:00	2016-04-28 10:31:52	Maintenance	Belt replacement	Rhein-Höhenweg, Neuwied 56566, Germany	50.00

The following columns can be included in the report:

- Time of service and fuel filling
- Time of event registration
- Service/Fuel fillings costs
- Description (added upon event registration)
- Location (added upon event registration)
- Quantity (fuel fillings and service sessions)
- Notes (an empty tab where you can add comments)

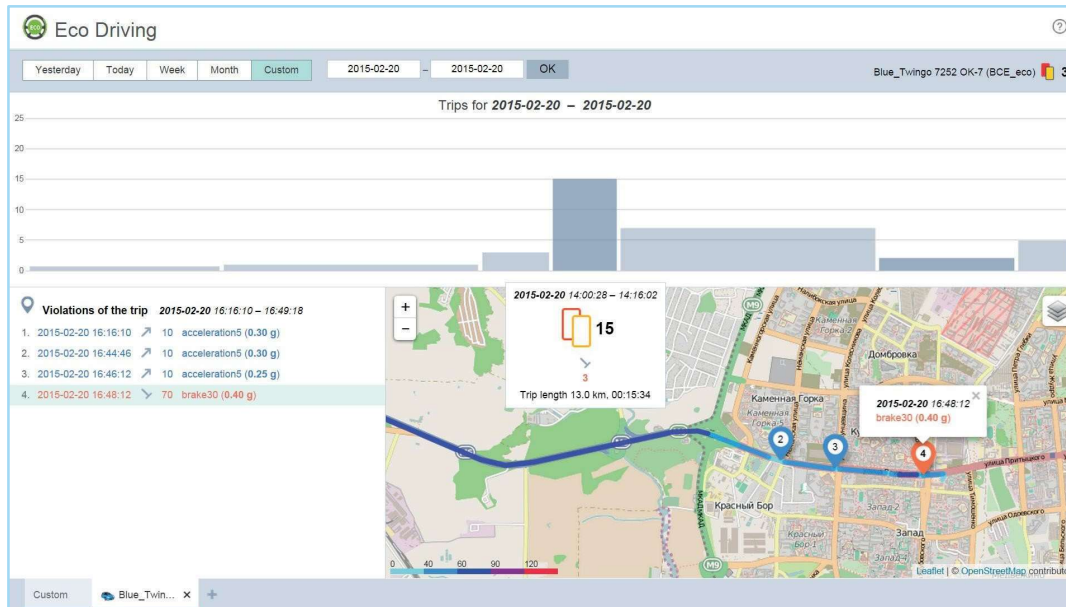
Route Control

Enjoy the ultimate routing service in advanced and premium subscription packages:



IoTplot users can receive notifications when a unit enters or leaves a certain geofence. Notifications can be sent via email. Notifications can also be registered in the system and shown in reports or pop-up windows.

Driver Behavior Monitoring



Eco Driving is a tool intended to improve fleet safety, ensure cost-effective fleet maintenance, reduce fuel costs and enhance cargo safety.

Flexible configuration of the Eco Driving module allows you to develop a comprehensive and flexible driving quality assessment model.

The assessment model is based on violation criteria and coefficients that can be set for each vehicle individually. It uses penalty scoring system with a special calculation algorithm.

Each violation adds penalty points that may be used as a basis for driver ranking. The less penalty points you get, the higher is the rank and, therefore, the quality of driving.

Penalty points are calculated for each trip, and can then be summed up or averaged out according to time or distance travelled.

There are 6 criteria to be used as a basis for violations:

- Acceleration
- Braking
- Cornering/Turn
- Speeding
- Reckless driving
- Custom

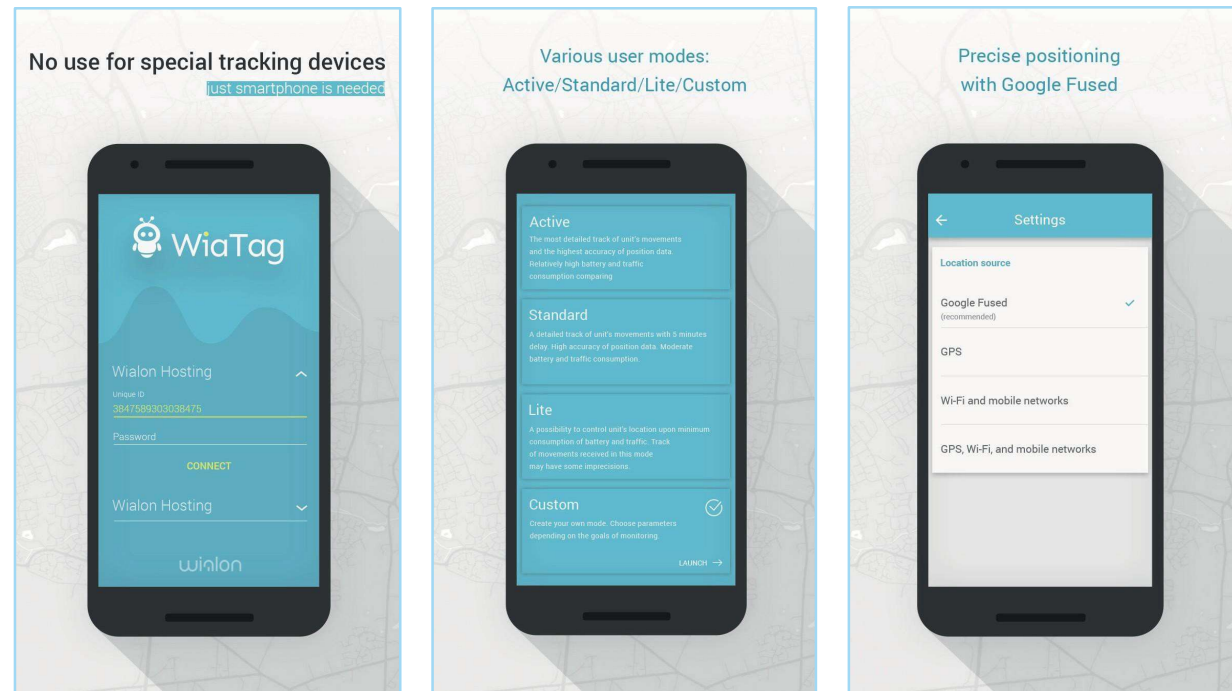
Eco Driving provides a detailed presentation of driving quality for each vehicle in a fleet in a user-friendly visual format. You get access to the details on violations and tracks on the map, which reflect specific points where those violations took place.

WiaTag

WiaTag Mobile Application

WiaTag is an effective and easy-to-use app turning your smart phone into a GPS terminal. You don't need to search for a separate device — just use your Android- or iOS-based smartphone, tablet or other mobile device instead.

The application also provides an opportunity to send pictures, alarms and locations and text communication is also available.



The app offers pre-set configurations, including flexible motion detection, data collection and location detection settings for prolonged battery life.

Getting started is easy: Visit www.iotplot.com/WiaTag to sign up.

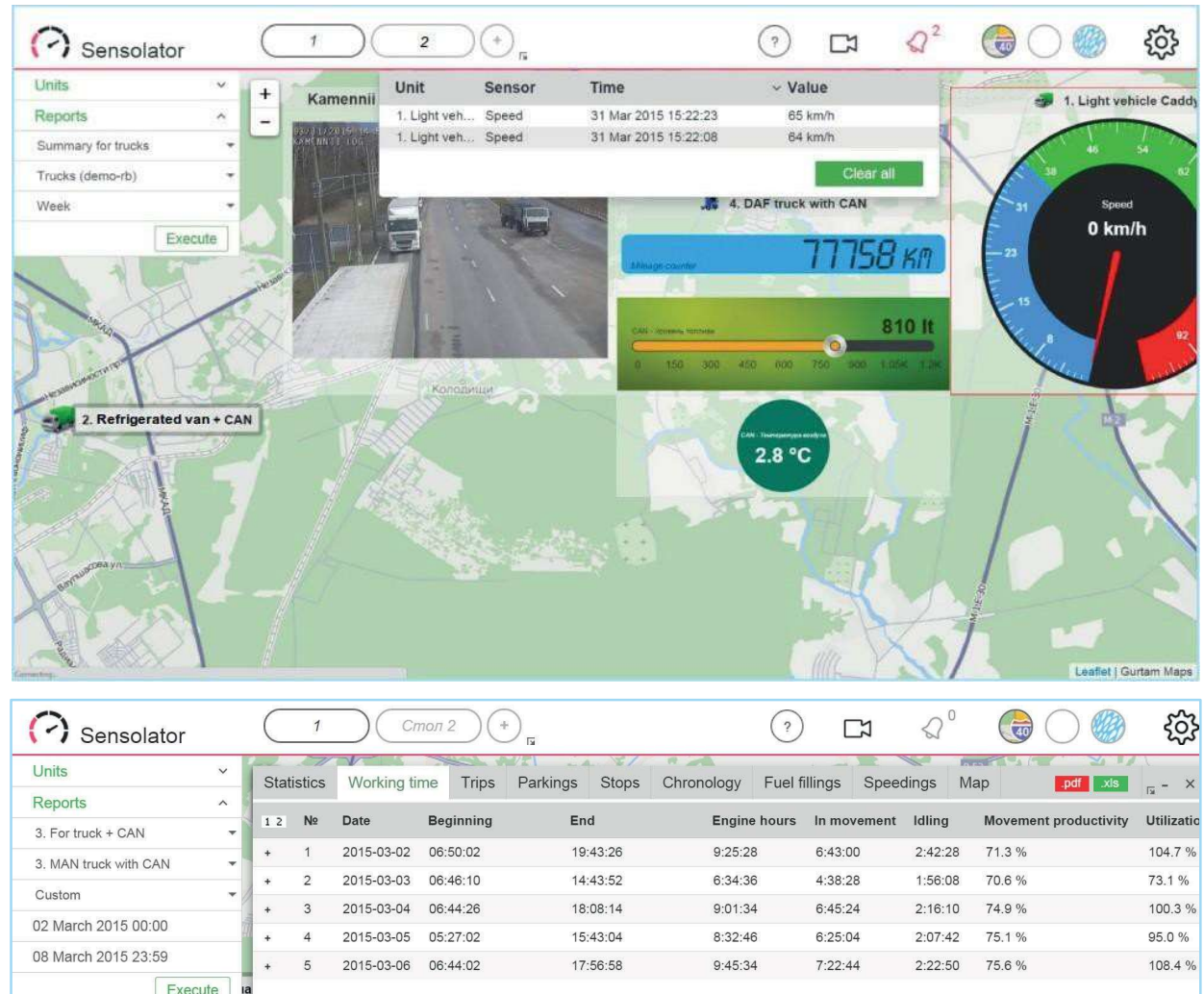
Sensolator

Sensolator application constitutes a convenient control panel to monitor any number of sensors at a visual interface. The app is designed to monitor the performance of all the necessary sensors from one to any number of units tracked.

You can view and control all the parameters while the number of displayed sensors is unlimited.

Sensolator has a fully customizable interface that enables real-time asset management, simultaneously having access to different parameters and key performance indicators of stationary and mobile units. It also responds to device faults via online alarms, SMS and email notifications.

The application ensures real-time monitoring of counter/sensor performance and identification of sensor values variations over a certain period of time ('Today', 'Yesterday', 'Week').

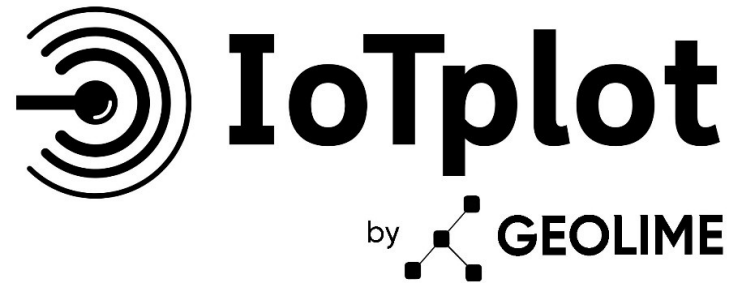


Cost Reduction



Features to advance your business:

- Online tracking;
- Fuel consumption control;
- Service log maintenance;
- Accountability;
- Trailer monitoring;
- Mileage accounting;
- Route control;
- Driver behavior monitoring;
- Cargo temperature monitoring;



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