FLEET AUTOMATION WITH WIALON

SPHERES OF APPLICATION

wialon   The ultimate GPS tracking and IoT platform

Present and future of GPS tracking and IoT

wialon

2,400+
partners worldwide

3.5 million
vehicles connected

150+ million
kilometers tracked daily

20
years on the market

2,900+
device models supported

We offer a multifunctional, end-to-end GPS tracking platform for any transportation means including trucks, special vehicles, motor cars, passenger and route vehicles. Wialon is applied in freight transportation, construction, farming, and many other business areas.

The platform is created by **Gurtam**, a trusted software developer with 20 years of experience in telematics. The company operates via offices in Buenos Aires (Argentina), Boston (USA), Dubai (UAE), and Vilnius (Lithuania).

Wialon: spheres of application

What is GPS tracking with Wialon?

GPS tracking with Wialon means the real-time data available online, analytics and reporting, custom fuel control algorithm, routing, mapping, and native mobile applications.

The platform is hardware-agnostic, so your clients won't have to worry about changing the hardware if they already have certain devices installed.

2 options for Wialon usage:

• cloud tracking platform

• server-based tracking solution

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Wialon industry-specific functionality

Smart farming
Field works control based on telematics data.

Fleet maintenance control
Maintenance planning, control, and expenditure recording.

Scheduled transportation control
Tracking corporate vehicles with specialized tools for scheduled transportation management.

Tracking field workers
Tracking medical staff, sales representatives, and any type of mobile workforce.

Local delivery management
Transportation arrangements, delivery route optimization, and cost saving.

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Real-time tracking

Business challenges:

⚠️ Lack or absence of vehicle-related info

⚠️ Lack of driver discipline

⚠️ Vehicle inefficient use

What Wialon offers:

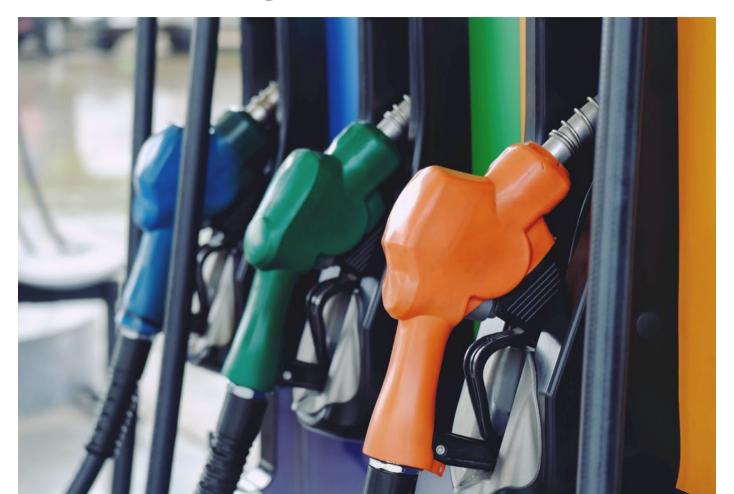Real-time vehicle tracking is the ultimate solution to boost fleet efficiency.

Online GPS tracking with Wialon not only **optimizes fleet owners' expenses but also improves driver discipline.**

Our solution makes it possible to know where, when, and what tasks vehicles are working on.

· Controlling vehicle location on the map
· Monitoring speed, fuel level, temperature, and other parameters
· Managing vehicles (via commands) and drivers (via chat and assignments)
· Getting vehicle activity notifications
· Creating geofences and controlling vehicle activity inside and outside of them
· Tracking the vehicle movements along a given route
· Obtaining analytics in reports (tables and diagrams)

Fuel management

Business challenges:

⚠ Fuel thefts

⚠ Unreasonable fuel expenses

⚠ Fuel manipulations at gas stations

What Wialon offers:

Wialon is the ultimate solution for complete fuel consumption control and optimization of the related expenses.

The fuel management system is based on **data available from an onboard computer or fuel level sensors,** installed in the fuel tank of a vehicle.

With Wialon, every liter of fuel is under control and shown in a chart or a table.

· Consumption data derived by a math calculation method, FLS, or CAN-bus
· Flexible parameter settings
· History of fuel level changes is available for any period and shown in a chart
· Fuel fillings and theft reports
· Fuel fillings and theft notifications are sent via email, SMS, or appear in a pop-up window
· Automatic fuel reports

Video telematics

Business challenges:

⚠️ Stand-alone video solutions with no connection to telematics data

⚠️ No live visual control of staff

⚠️ No video evidence in case of an accident or violation

What Wialon offers:

Wialon brings together GPS tracking and video telematics in one platform for your clients to **monitor staff, reduce accident rates, and improve safety on the road.**

Video telematics with Wialon changes the way their business operates with insights and data acquired thanks to video telematics.

· Users can request, view, and manage video live streams and recordings
· Driving style analysis based on videos helps formulate recommendations to drivers
· Video telematics allows improving safety on the road and production sites
· The analytics enforced by visuals facilitates decision-making

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Fleet management

Business challenges:

⚠️ High maintenance costs

⚠️ Low labor productivity

⚠️ Low revenue and profitability

What Wialon offers:

Wialon makes it possible to efficiently plan fleet operation: minimize fuel fraud, increase the safety of freight transportation and reduce the vehicle depreciation costs.

Fleet management with Wialon allows fleet owners to optimize all expenses, reduce downtime, and control drivers.

- Fleet performance analysis
- Flexible reporting system
- Location detection with GPS/LBS
- Driving quality control and driver behavior assessment
- Communication with drivers
- Temperature and humidity monitoring in refrigerated transportation
- Fuel consumption control

Driver behavior control

Business challenges:

⚠️ Traffic violations, fines, and accidents

⚠️ Cargo and vehicle damage

⚠️ Inefficient driving

What Wialon offers:

Driver behavior control with Wialon records all driver violations such as harsh breaking, cornering, distracted driving, etc.
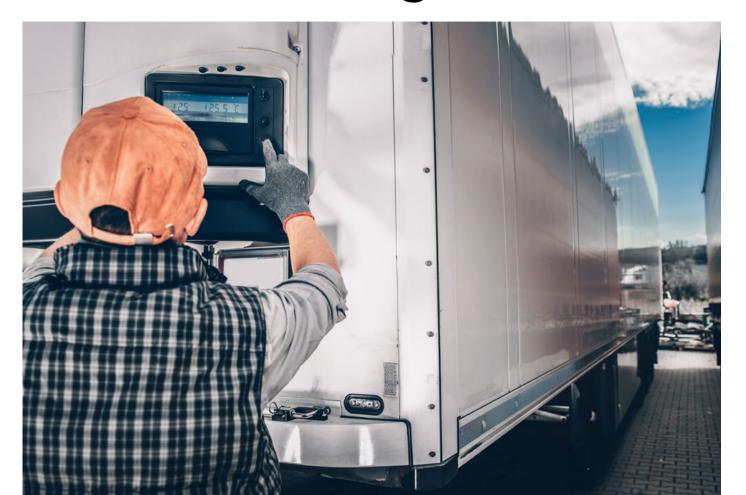
It is intended **to improve road, vehicle, and cargo safety, ensure cost-effective fleet maintenance and reduce fuel costs.**

Fleet owners get an opportunity to analyze the driving quality of each driver, extend the vehicle lifespan, reduce the number of accidents and make data-driven decisions.

· ADAS systems for compliance and effective control
· Detailed description of violations
· Tracks visualization and event markers on the map
· Driving quality assessment according to predefined or custom criteria
· Drivers ranking by the number of received penalty points
· Notifications on speedings and other violations
· Automatic reports on drivers' behavior

Cold chain management

Business challenges:

⚠ Product loss due to malfunctioning refrigerators

⚠ Insufficient temperature control

⚠ Operators' irresponsible behavior

What Wialon offers:

Wialon helps to maintain cold chains in refrigerator trucks and stationary freezing and cooling chambers. It is suitable for small businesses and large retail stores and carriers. The platform **helps prevent financial losses caused by product waste when handling temperature-sensitive goods.**
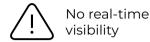
With Wialon, fleet owners and companies working in food industry can improve their decision-making based on the complete temperature data. They also get control over the cargo throughout the entire cold chain to keep it safe and of proper quality.

· Data on the entire fleet performance, arrivals, accidents, and vehicle status in real-time
· Collecting and analyzing temperature data from trackers and sensors
· Temperature data at hand to plan refrigerator maintenance in advance
· Alerts in case of temperature deviations or when operators do not close the refrigerator door properly
· Comprehensive reports and graphs
· Historical data for better decision-making

Local delivery management

Business challenges:

 No real-time visibility

 Insufficient delivery route planning

 No analytics

What Wialon offers:

The platform helps local delivery services perform a wide range of tasks in the field of logistics and delivery – **transportation arrangements, delivery route optimization, and cost saving.**

A web app is designed for effective order placement, planning, and distribution. The solution also features Google Maps-based routing, delivery process monitoring and coordination.

A mobile app facilitates the work of delivery people and mobile employees.

· Creating or importing orders with their detailed description
· Three planning modes to adjust the routes by cost or delivery time according to business needs
· Tracking the delivery process in real time
· Analytics from the reports to make the workflow more effective
· The mobile app for couriers to change the order status, add comments and photos
· Calling a client right from the app and communicating with dispatchers via a chat

Scheduled transportation control

Business challenges:

⚠ Failure to complete rides; delays, route deviations

⚠ Unauthorized rides

⚠ Dissatisfied passengers

What Wialon offers:

With Wialon, transport dispatch services can effectively control public and corporate transportation. The platform allows planning routes, making schedules, and optimizing vehicle distribution across routes to provide schedule compliance and traffic regularity. Transport authorities can **track vehicle movements in real-time and get detailed reporting on all vehicles.**

· Reports with fleet activity analysis to correct schedules and facilitate decision-making
· Sharing routes, schedules, and vehicle location with passengers
· Monitoring of route deviations, delays, or completions ahead of schedule
· Access to ride history

Vehicle theft prevention

Business challenges:

⚠️ Huge financial losses

⚠️ High risk of vehicle theft in certain regions

⚠️ Long, unsuccessful search of a stolen vehicle
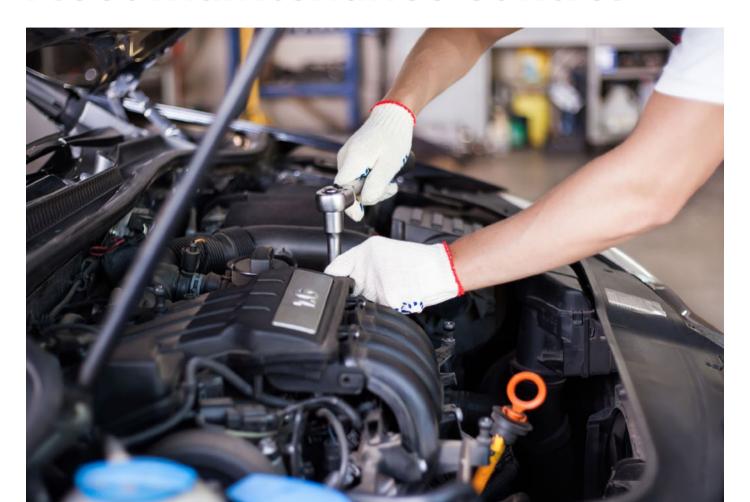
What Wialon offers:

Wialon takes the vehicle fleet safety under control.

With the platform, fleet owners always know **where their vehicles are located and get data on their condition.** In case of a crime, the employees in charge immediately receive an alarm notification.

· Location detection in real time via GPS/LBS
· Shutting down the engine remotely
· Geofences control on entering or leaving certain areas
· Event-based notifications for taking actions straight away
· Vehicle movement history for its faster recovery Tracking via smartphone or tablet

Fleet maintenance control

Business challenges:

⚠️ Critical breakdowns due to untimely maintenance

⚠️ Manual control of service works
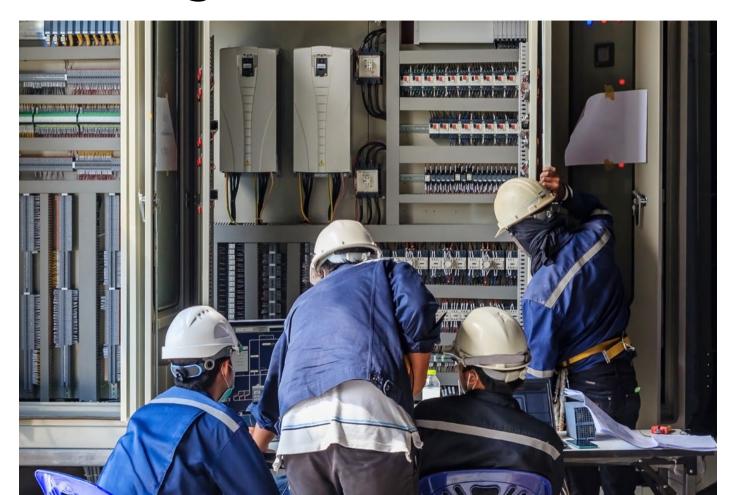
⚠️ Low technical availability rate

What Wialon offers:

The platform takes vehicle maintenance under control and helps making effective decisions based on the status and maintenance processes in the fleet.

With Wialon, fleet owners can **avoid critical breakdowns, reduce vehicle operating costs and time spent at the service station.**

· Notifications on the current and upcoming services
· Automated services and a complex approach to maintenance
· The archive of works for each vehicle
· Llibrary for works and spare parts
· Data is updated in real time
· Analytics and statistics on the fleet to show its overall condition
· Work with drivers and trailers to fully cover all the necessary fleet

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Tracking field workers

Business challenges:

⚠ Dishonest employees

⚠ Emergency situations out of the office

⚠ Lack of accurate information from the field

What Wialon offers:

Due to accurate speed detection and detailed movement history of a vehicle, **Wialon helps optimize and control operations and mobile staff performance** ensuring efficient workforce management.

Wialon allows guiding and instructing field workers daily, no matter the business domain: security, delivery, healthcare, public utilities, etc.

· Turning any smartphone into a GPS tracker
· Accurate positioning through GPS/LBS
· Sending pictures, SOS messages, location info
· Controlling the app remotely
· Scanning barcodes, QR codes, and NFC tags
· Chatting with employees right in the app
· Configuring apps in bulk and remotely
· Requesting logs from devices for diagnostics without user participation

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