



MotoMon[®]

***DYNAMIC GPS
TRACKING SOLUTIONS***



www.motomon.com



How it works

Product overview

The AutoGPS electronic logbook uses GPS (Global Positioning System) to easily and reliably monitor the movement of your vehicles, personnel or transported cargo.

The detailed electronic logbook is created from automatically processed tracking data. There are more than one hundred different tracking devices, reports and graphs which can be used in many different fields ranging from private use all the way up to corporate fleet management including integration with third party software and equipment.

The sophisticated alert system uses SMS, emails, and reporting to central monitoring stations to make sure that no critical event will be overlooked.

How it works

Unit installed in the vehicle continuously establishes it's actual position by evaluating signals from GPS satellites. The received data is processed (position, altitude and exact time is extracted) and stored in devices memory buffer.

Local cellular GSM networks [satellite communication devices are also available] are used to transfer the collected data to AutoGPS's application servers. The same system that mobile phones utilize.

Like any ordinary mobile phone, our mobile tracker units include a SIM card which connects to most any GSM operator available.

It is the GPRS data service which is being used to transmit real-time telemetry data to the backend application servers.

Our encrypted server receives data from mobile units, performs the decoding / analysis and stores the results in a replicated data warehouses.

Users access information regarding their tracked vehicles or assets through a common Internet browser in the same way as any other website from any PC, tablet or smart phone.

AutoGPS's application servers which are connected to the public Internet can be accessed from anywhere in the world.





Beyond regular tracking...

The AutoGPS's features go far beyond simple location and tracking services.

Today's customer requires much more thorough information than simply placing a single point on an ordinary 2D map.

It is commonly required to display the position or trip history utilizing 2D satellite imagery or 3D models. Of course we didn't overlook the Google Street View feature which allows users to "virtually look" around points of their interest.

Our mobile unit's capabilities can be further expanded, for example by using a "trip type" switch, which lets you specify the current trip categorization, the driver identification, continuous fuel level monitoring or direct digital connection to vehicle CAN bus.

With the help of an easily attachable expansion module information about temperature, air pressure, humidity, lighting, sudden impacts, vibration and 3D spacial orientation can be collected and transmitted live to the application.

Even the most demanding customer will be pleasantly surprised by the quality of the live video feed transmitted from cameras mounted on the vehicle. This video is also available to smart phone users through our proprietary application (supports OS Android or iOS).

We can even continue tracking position of mobile assets when GPS satellite signal is lost through our GSM Localization feature [see page 10].

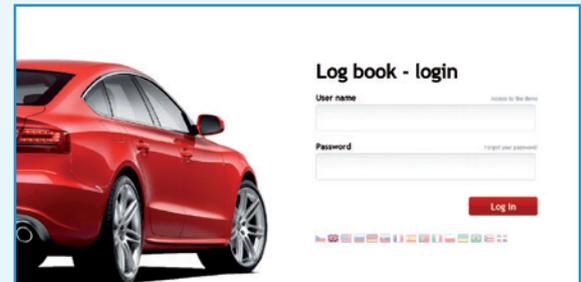
Application Examples

The AutoGPS system was designed with one idea in mind - to be as versatile as possible.

As a result of this effort, users can now choose one of fourteen languages and display data in any time zone in the world. It is also possible to monitor cargo, vehicles, heavy machinery, agricultural equipment or people. If it Moves, We can Track it!

It is becoming more and more common to track high value or pharmaceutical air/sea cargo transports requiring climate control telemetry to be documented and reported.

Login screen





What can it do?

Logbook

The logbook clearly displays all the important information of the vehicles trips and position history.

You can easily switch between daily, weekly and monthly views. Based on the selected view the summary statistics of the number of trips, mileage, idle time, and entered expenses are displayed appropriately.

Important operations such as entering information about fuel, travel expenses, the type and purpose of travel, are all accessible with one click.

Separate colors distinguish the different types of trips both in the logbook and in the speed graph. At first glance, you can see when and how quickly the vehicle was moving or if vehicles exceeded preset speed limits.

Monthly View

00 - Hlavinka Octavie II - 6B April 2012 Last reported location: 18/4/2012 9:52 - Centrální Eurosat CS, Karásek, Brno - Řečovice

April 2012

	Mo	Tu	We	Th	Fr	Sa	Su
567 (113 / 456)	61 (10 / 51)	261 (26 / 1)	51 (5 / 1)				
Week 13	26	27	28				
140 (77 / 63)	14 (11 / 3)	11 (10 / 6)	18 (18 / 0)				
Week 14	2	3	4				
207 (39 / 140)	44 (46 / 0)	12 (42 / 0)	40 (39 / 1)				
Week 15	9	10	11				
63 (63 / 0)	23 (23 / 0)	35 (35 / 0)	5 (5 / 0)				
Week 16	16	17	18				
207 (39 / 140)	23 (23 / 0)	24 (24 / 0)	25 (25 / 0)				
Week 17	23	24	25				
423 km							
Week 18	30	1	2				

Total: 423 km
Souhrn: 134.31 km 31.77 %
Služební neodsouhlasení: 288.5 km 68.23 %

Fueling history:
Total price:
Total fuelled:
Average price per liter:
Average consumption this month: 4.66 l/100km

Receipt #007 - 1096134

Date	Options	Trip type	Driver	Arrival	Departure	Distance	Average speed	Route to
1/4/2012		Business not approved		21:40	21:28	21.0		
1/4/2012		Business not approved		23:29	23:21	30.5		
1/4/2012		Business not approved		23:16	23:03	39.0		
1/4/2012		Business not approved		19:33	19:23	30.3		
1/4/2012		Business not approved		19:14	18:54	39.0		
1/4/2012		Business not approved		17:53	17:10	31.0		

Speed graph (Monthly View):

Weekly View

Receipt #007 - 1096134

Date	Options	Trip type	Driver	Arrival	Departure	Distance	Average speed	Route to
5/3/2012		Business not approved		23:17	22:41	30.5	33.55 mph	PACE OHIO, Scott St, Clark
5/3/2012		Business not approved		21:56	00:41 / 08:25	3.23 mi	6.15 mph	Denon Ave, Addison, County DuPage, Illinois, us
5/3/2012		Business not approved		20:24	01:40 / 08:18	6.13 mi	9.37 mph	Denon Ave, Addison, County DuPage, Illinois, us
5/3/2012		Business not approved		19:50	00:11 / 08:52	1.78 mi	37.28 mph	Denon Ave, Addison, County DuPage, Illinois, us
5/3/2012		Business not approved		15:05	03:52 / 06:18	2.85 mi	9.2 mph	PACE OHIO, Scott St, Clark

Speed graph (Weekly View):

Daily View

What can it do?



Trip display – map view

Displaying trips on the normal map is perhaps the most commonly used method to preview vehicle activity. You can display one or multiple trip routes simultaneously and switch between them. The selected trip can be re-played at an accelerated rate using the integrated player. Separate colors inform you of the different types of the whole trip or any of its segments.

Map selection: Google | Map type: Normal

5/3/2012 22:41 | 5/3/2012 23:17

30 mph

Immediate trips

6/3 17:56	PACE ORD, Scott St, Cook
6/3 17:35	PACE ORD, Scott St, Cook (0.1 m)
6/3 10:14	PACE ORD, Scott St, Cook
6/3 9:52	Brummal Ave, Elk Grove, County Cook, Illinois, us (1.4 m)
6/3 9:45	Brummal Ave, Elk Grove, County Cook, Illinois, us
6/3 6:48	W State Road 28, Washington, County Clinton, Indiana, Route 28, us (150.8 m)
6/3 6:42	W State Road 28, Washington, County Clinton, Indiana, Route 28, us
6/3 5:28	PACE ORD, Plainfield 0.6 m (46.9 m)
6/3 5:28	PACE ORD, Plainfield 0.6 m
6/3 0:51	PACE ORD, Scott St, Cook (210.1 m)
5/3 23:17	PACE ORD, Scott St, Cook
5/3 22:41	E Devon Ave, Addison, County DuPage, Illinois, us (3 m)
5/3 21:56	E Devon Ave, Addison, County DuPage, Illinois, us
5/3 21:25	Thomas Dr, Addison, County DuPage, Illinois, us (3.2 m)
5/3 20:24	Thomas Dr, Addison, County DuPage, Illinois, us (0.1 m)
5/3 20:06	Thomas Dr, Addison, County DuPage, Illinois, us
5/3 19:50	Thomas Dr, Addison, County DuPage, Illinois, us
5/3 18:58	PACE ORD, Scott St, Cook (5.8 m)

From: E Devon Ave, Addison, County DuPage, Illinois, us (5/3/2012 22:41)
To: PACE ORD, Scott St, Cook (5/3/2012 23:17)
Traveled: 3 m | Time: 0:35:46 | Object: Pace #097 (1086134)

UNITED ORD



What can it do?

Trip display – satellite view, street view

In addition to displaying on the normal map the system also offers visualization in satellite aerial imagery. The integrated satellite maps can be rotated and viewed from four different headings [North, South, East and West] or you can use the enhanced Google Street View to virtually walk through the city streets (where it is supported).

The screenshot displays a web-based trip display interface. The main map shows satellite imagery of a road. A blue line indicates the current trip path. A speedometer shows a current speed of 67 mph. A central inset window shows a Street View camera view of the road, with a title bar that reads "Pace #064, Time 4:39:38, Speed 41.3 mph". The interface includes various map controls like zoom, pan, and a traffic layer toggle. On the right side, there is a list of vehicle paces with columns for license number, location, and estimated time.

License No	Location	Time
Pace #105 (1041084)	Mississippi, us, (Fulton 2 mi)	15 min
Pace #040 (1056542)	PACE IND, Plainfield 0.6 mi	15 min
Pace #099 (1057511)	Pace ORD, Scott St, Elk Grove	15 min
Pace #114 (1057648)	PACE IND, Plainfield 0.6 mi	15 min
Pace #115 (1057649)	Center, County Boone, Indiana, Route 65, us	15 min
Pace #107 (1085575)	Missouri, us	15 min
Pace #106 (1085906)	PACE IND, Plainfield 0.6 mi	15 min
Pace #097 (1086134)	W Washington St, Wayne, County Marion, Indiana, Route 40, us	15 min
Pace #118 (1086258)	PACE IND, Plainfield 0.6 mi	15 min
Pace #096 (1123359)	PACE IND, Plainfield 0.6 mi	15 min

From: W State Road 10, Keener, County Jasper, Indiana, Route 10, us (18/4/2012 1:50)
Currently: Wayne, County Bartholomew, Indiana, Route 65, us (18/4/2012 4:39)
Traveled: 167.4 mi | Current speed: 66.5 mph | Time: 2:45:50 | Data from: 18/4/2012 4:39



Real-time tracking, live video transmission

Tracking mobile assets in real-time is undoubtedly our customers' most popular function.

With only a few seconds delay customers are provided detailed information about the location and behavior of the asset being monitored. The current address, GPS location, speed, altitude, and traveled route displayed on the map. This view is enhanced with Google's Street View system automatically oriented in the direction of travel and transmission of "live" video from cameras mounted on board the vehicle. All of which can be displayed for multiple vehicles simultaneously.

Tomáš
EUR Eurosat CS
Firefox 11.0, Windows 7
News | Change the password
Terms

Home Log book Reports Statistics Utility Administration Help Log off

Map selection: Google | Map type: Normal | Label: Middle | Location: Yes

90 kph
30 kph

00 - Stojan Ford Fusion, Time 11:57:40, Speed 30 kph

TEST STOJAN (ONLINE) | 00 - Stojan Ford Fusion

02 - Píseň	Pobočka Píseň, Křelkova, Píseň - Roudná, Křelkova, Píseň	15 min
09 - K. Vary	Eurosat CS spol. s r.o., Anglická, Karlovy Vary	15 min
00 - Mračna bod		15 min
05 - KIA CEED SW	Pobočka Zín, K cheňb, Zín	15 min
01 - Praha, KIA	Dvoletský, Praha 10, Praha, County Městský úřad Praha, Městský úřad Praha, cz	15 min
00 - Hlavinka Octavia II	Piloun náměstí, Staňkova, Brno	15 min
00 - Stojan Ford Fusion	Zdravotní středisko, Mendlovo náměstí, Brno	15 min
12 - Hradec Králové	EuroSat - Hradec Králové, Hradecká, Hradec Králové	15 min
00 - Renault Master	Centrála Eurosat CS, Karské, Brno - Račovice	15 min

From: Brno, County Brno-město, Jihomoravský, cz (18/4/2012 11:50)
Current city: Zdravotní středisko, Mendlovo náměstí, Brno (18/4/2012 11:57)
Traveled: 2 km | Current speed: 30 kph | Time: 09:06:08 | Data from: 18/4/2012 11:57

Map data ©2013 Google, Tele Atlas - Terms of Use



What can it do?

Refueling, maintenance expenses and electronic credit card payment systems

Expenditures such as fuel and maintenance can be entered into the system manually by the user or setup to be automatically imported from data files of electronic payment systems.

The program automatically converts the currency by the applied current rate, monitors cost and average consumption and draws attention to abnormal values.

Vehicle: 00 - Stojan Ford Fusion

Quantity:

Price per l:

Total price:

Currency: CZK

Tank value (optional): / 45l
 Only enter the tank value

Date: 18/4/2012 11:11:09

Type of fuel: Gas

Refueled tank 100%

Save

Arrival	Departure	Route to	Route from
11:11		Time entered is in order	
11:08	10:51	Zábřehovická, Brno-Židenice, Brno, County Brno-město, Jihomoravský, cz	Toner Centrum, Palackého třída, Brno
10:46	10:36	Toner Centrum, Palackého třída, Brno	Centrála Euroset CS, Karásek, Brno - Řečkovice
10:16	10:00	Centrála Euroset CS, Karásek, Brno - Řečkovice	Nové Sady, Brno-střed, Brno, County Brno-město, Jihomoravský, cz
9:51	9:39	Nové Sady, Brno-střed, Brno, County Brno-město, Jihomoravský, cz	100 Mega, Železná, Brno - Horní Heršpice

Frequent destinations

Another popular feature is the ability to display frequent destinations.

The standard default table shows the vehicle's frequently visited destination addresses times counts, combined with easily accessible preview on the map.

Vehicle: 00 - Stojan Ford Fusion

Period from: 18/3/2012

Period to: 18/4/2012

View

Location	Frequency	Last time	Rate of trip types
1 Centrála Euroset CS, Karásek, Brno - Řečkovice	81x	18/4/2012 12:29	<div style="width: 100%;"></div>
2 Soukromý	29x	17/4/2012 18:19	<div style="width: 100%;"></div>
3 Pošta, Mo	20x	17/4/2012 17:40	<div style="width: 100%;"></div>
4 ARJ, Cyril	18x	16/4/2012 14:59	<div style="width: 100%;"></div>
5 bod	17x	17/4/2012 8:35	<div style="width: 100%;"></div>
6 Kaleckého,	16x	17/4/2012 13:00	<div style="width: 100%;"></div>
7 Toner Cen	15x	18/4/2012 10:46	<div style="width: 100%;"></div>
8 100 Mega,	15x	18/4/2012 9:32	<div style="width: 100%;"></div>
9 SmazatTe	14x	17/4/2012 15:48	<div style="width: 100%;"></div>
10 Tankovani	11x	16/4/2012 9:53	<div style="width: 100%;"></div>
11 RTZ Hold	10x	17/4/2012 12:23	<div style="width: 100%;"></div>
12 Soukromý	9x	17/4/2012 8:51	<div style="width: 100%;"></div>
13 Autosouč	9x	17/4/2012 14:02	<div style="width: 100%;"></div>
14 TECSO-ná	9x	13/4/2012 14:57	<div style="width: 100%;"></div>

Map preview: Globus - Baumarkt, Brno - Řečkovice

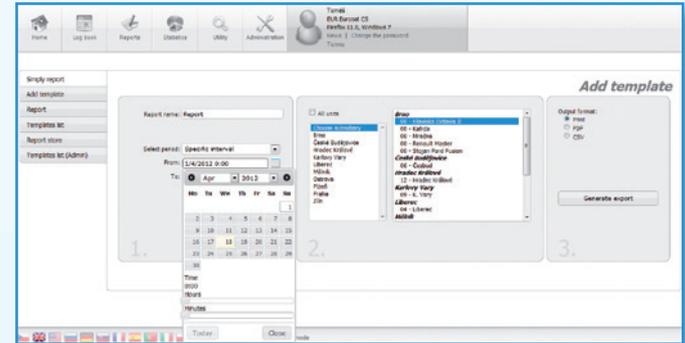


Reports

Reports and data exports are indisputably one of the most important functions of every mobile asset / fleet management application. One could say that without comprehensive quality reporting capabilities the application functionality is diminished.

It's not only about the number of reports that the system can generate (we offer over 100 different reports and exports available), but more about how easily and intuitively you can use them.

Our report generator is based on a very intelligent template system, scheduling planners and data warehouses.



For example, you can very simply:

- store your most frequently used reports as a "favorite" for repeated quick use
- store your work in progress on report templates in data storage for later completion
- edit, clone, and copy templates already created
- share the template with other users within the group
- create periodically generated reports based on "rolling" time intervals
- save generated reports into the data warehouse storage for later processing and reviewing
- plan templates that start at a specific time and allow resulting report to be delivered by email
- use comprehensive functionality description attached to predefined reporting templates

The report data can be freely exported to multiple export formats: tables, graphs, PDF, MS Excel format, CSV, TXT, HELIOS, SAP, ...





What can it do?

Searching based on time or geographic location

The logbook system allows users to easily search historical data to generate a snapshot of where a vehicle was located at a specified time or geographic location.

Vehicle Groups Detection (VGD)

By filtering the historical data containing the detailed vehicles movement information users can render the listing of addresses where more than the specified numbers of vehicles were gathered within a given time interval.

Vehicle Groups Detection (VGD)

Normal Map View

Satellite Map View



Route Planning – "RouteWatch™"

The user can create and save routes which the assigned vehicle(s) must follow. The activated "RouteWatch" system then ensures that the vehicle(s) assigned to the route do not deviate from the pre-defined path by more than the allowed preset tolerance.

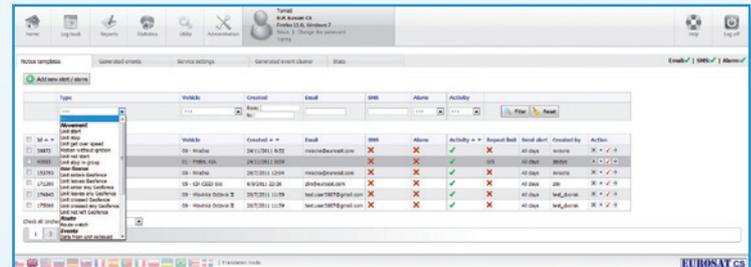


Reminders, tasks, alerts

System reminders, tasks and alerts inform users about various types of events occurring during the vehicle(s) daily operation. These events are stored in the data warehouse, sent via SMS, e-mail and with an audible signal alerting the Central Monitoring Station operators. Records of generated events can also be used as a source of data for different types of reports.

Examples of some useful types of information:

- times and dates of service inspections
- beginning and end of trips
- exceeding maximum speed limits
- detection of sudden fuel loss
- entry, exit or transit across geographic areas
- border crossing of different countries or states
- movement of vehicles outside permitted hours of operation
- driver authorization failure
- extensive unit communication outage
- emergency button alert
- main battery power loss
- harsh driving, acceleration, cornering or braking
- temperature, humidity, lighting or atmospheric pressure alerts





What can it do?

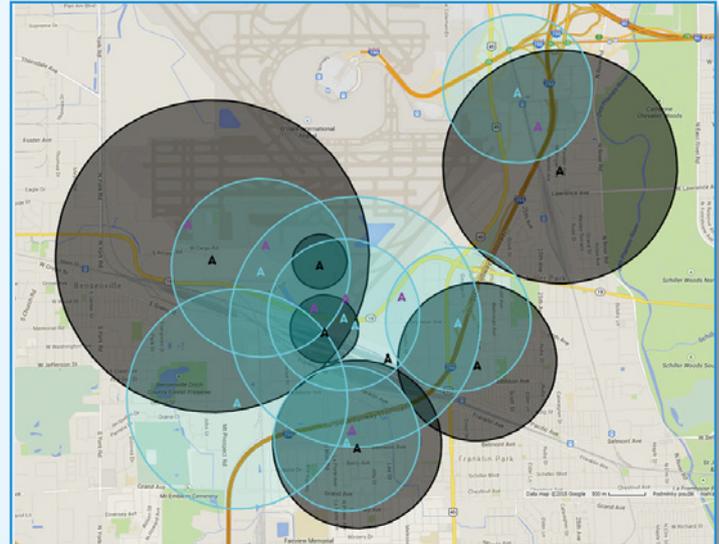
GSM / Cell Tower Localization

Often when tracking cargo in tractor trailers when the doors are closed the ability of the GPS tracking device to get the GPS signal is lost. If your shipment is going from New York to Chicago you will not know anything after it is loaded in New York until it emerges out of the trailer in Chicago. Our GSM/Cell Tower Localization feature will allow you to track even when GPS signals are lost.

With the AutoGPS tracking platform if GPS signal is lost it dynamically switches over to GSM Localization. You will see cargo moving down the highway in near real time. This feature keeps you connected and tracking as long as there is cellular coverage.



GSM Localization



What can it do?



Home Screen TILES

TILES in the home screen allow you to monitor multiple vehicles or mobile assets along with Probe telemetry data all at the same time on one screen.

The screenshot displays the MotoMon home screen interface. At the top, there is a navigation bar with icons for Home, Log book, Reports, Statistics, Utility, TEMS, Life, EDI Transports, Itinerary, and Administration. A user profile for Sam Security (JohnUS) is visible, along with system information: DEMO LIVE DEMO (WebUS2 / WebUS2), Version: 17.01, Chrome 56.0, Windows 7, and a Report bug link. A search bar and window management icons are on the right.

The main area contains five live demo tiles for different vehicles:

- SmartBox GL300W 006045 Probe A46** (ID: 155161535): Shows a street view of Palmetto Bay, Florida, with a temperature of 74.5 °F.
- SmartBox GL300W 006045 Probe A46** (ID: 155161535): Shows a line graph of battery percentage over time, with a temperature of 74.5 °F.
- SmartBox GL300W 006045 Probe A46** (ID: 155161535): Shows a line graph of fuel level over time, with a temperature of 74.5 °F.
- SmartBox GL300W 006045 Probe A46** (ID: 155161535): Shows a street view map of an urban area, with a temperature of 74.5 °F.
- GV55 7097 - Vehicle Tracker - SP - Brz** (ID: 155161215): Shows a map of Mogi das Cruzes, São Paulo, Brazil, with a timestamp of 2/23/2017 3:01 PM.

Below the tiles is a table with two sections: "Live Demo" and "Potential Distributor - Testing".

ID	Unit name	Events	Last reported location	Expiration	Service	Technical control	Od	Ti
155020686	GL200 5553 - Personal Tracker - FL - USA	34%	2/23/2017 12:28 PM - 17th St H#1, Miami Beach, County Miami-Dade County, Florida, US	+9 months				
155161569	GV300_0763		10/26/2016 4:51 PM - MotoMon Corp., 14707 S. Dixie Hwy	11/9/2016 9:15 AM			29	
155161215	GV55 7097 - Vehicle Tracker - SP - Brazi		2/23/2017 3:01 PM - Rua João Amaro Gomes HF99, Mogi das Cruzes, County Mogi das Cruzes, São Paulo, BR	7/19/2017 11:14 AM			0	r
155161505	OBDX 9717 - Vehicle Tracker - FL - USA		2/23/2017 11:48 AM - MotoMon Corp., 14707 S. Dixie Hwy	6/13/2017 9:51 AM			17	
155161535	SmartBox_GL300W_006045_Probe A469_Tmobil	74.5 °F	2/23/2017 12:33 PM - MotoMon Corp., 14707 S. Dixie Hwy	6/11/2017 5:43 PM				
Potential Distributor - Testing								
ID	Unit name	Events	Last reported location	Expiration	Service	Technical control	Od	Ti
155161630	GV300N_Eloast		12/13/2016 10:51 PM - Rua Esther Oliveira Galveas, Mata da Praia, County Vitória, Espírito Santo, BR	1/13/2017 12:00 AM			0	r



Enhanced Features

Native applications for smart phones and tablets

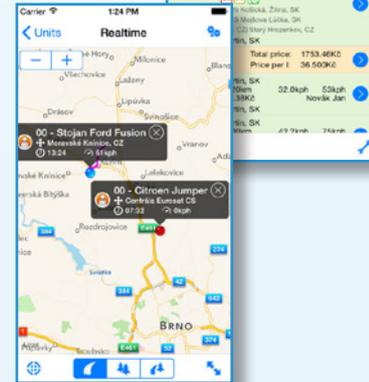
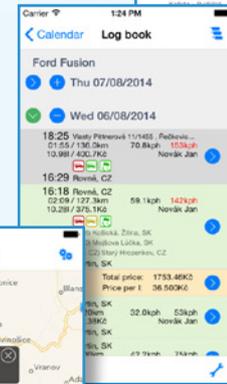
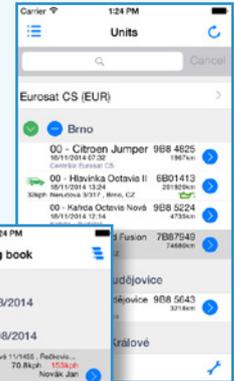
Most all AutoGPS functions can be accessed through the Internet web browser of your smart phone or tablet. The user experience is degraded by the web interface that is not optimized for a device with a small touchscreen. We have therefore created a native client written specifically for such mobile platforms (iOS and Android).

Application interface is highly optimized to be displayed on the mobile device screen and can be fully managed through the touch control.

Data communication between the client and the central servers is of course encrypted, and only minimal amounts of data are being transmitted. This allows mobile applications to operate even through basic GPRS data connection.

The installed program can transform supported smart phone devices into a true data terminal. You can then enter the information about fueling, odometer synchronization or input all of your traveling expenses.

Obviously you can track your vehicle in real time and browse through their list of historical trips. There is also the option to view live video feeds, as long as the vehicle is equipped with the MDVR (Mobile Digital Video Recording) package.





Geofences

The AutoGPS's application user can easily create multiple enclosed geographic areas of arbitrary shape, also commonly referred to as a virtual geofences.

For these areas it is then possible to associate system alerts that inform the user if the monitored asset breaches the virtual geofence.

Geofences

Id	Action	IRLs	Create by	Shape	Center point of geofence		Geofence boundary		Length/Breadth
					Latitude	Longitude	Northwest	Southeast	
136389	+	+	+	SS	Wesley Petr	Polygon	49.23044	15.93144	1.93144
134088	+	+	+	Adriano	Wesley Petr	Polygon	49.23729	15.94326	1.94326
133084	+	+	+	Stanoica	Wesley Petr	Rectangle	49.33085	15.03413	1.03413
137086	+	+	+	Bohdicek	Peppó Havel	Polygon	49.43610	15.53650	1.53650
135994	+	+	+	Imo	Wesley Petr	Polygon	49.23812	15.93791	1.93791
135487	+	+	+	Chlapek	Wesley Petr	Rectangle	49.34874	15.33798	1.33798
134193	+	+	+	Gibus	Wesley Petr	Polygon	49.23122	15.93648	1.93648
134246	+	+	+	Křivánský	Wesley Petr	Polygon	49.23299	15.93278	1.93278
138122	+	+	+	Kufin	Peppó Havel	Polygon	49.33074	15.93064	1.93064
139014	+	+	+	Wesley Petr	Wesley Petr	Polygon	49.24111	15.93095	1.93095
137944	+	+	+	Wesley Petr	Wesley Petr	Polygon	49.23224	15.93729	1.93729
134063	+	+	+	CRNIN	Wesley Petr	Polygon	49.27612	15.93922	1.93922
136018	+	+	+	Prácheňská Ostrava	I I	Rectangle	49.82918	15.93943	1.93943
137993	+	+	+	Skupenský	Karel Dvořák	Circle	49.20514	15.76143	15.76143
137994	+	+	+	TestGreas	Wesley Petr	Rectangle	49.33062	15.72807	15.72807
136627	+	+	+	Uher Auto Truck	Wesley Petr	Rectangle	50.43423	15.93994	15.93994

Border Crossing Detection

If the user wishes to do so he can activate the automatic detection of country or state border crossings.

The system then automatically pinpoints the place and time when the vehicle crosses a territorial border.

Reports or exported data generated from these crossings can then serve as a basis for accurate calculations of state gas tax payments.

Border crossing

User-defined points

User-defined points allow the user to assign arbitrary text to any point on the map and add other useful information.

User defined point names are then displayed in the Logbook and get shown on the map instead of automatically-generated location address.

User defined points



Enhanced Features

Permissions and system user roles

Individual system users can have different functions, roles and permissions. An employee working as a driver can only see details of his own vehicle. He can select between different trip types (for example private or business), enter the odometer readings, refueling information and other associated travel costs. The user roles can be assigned at once and then fine-tuned as required by adding and/or removing individual privileges. Managers can generally see and edit most everything. Additionally they can add and remove vehicles or associate employees as a driver of a specified vehicle.

Monitoring environmental values

This is done by EMX probe which can be attached to the portable GPS tracker which is then used as a communication terminal. Directly from the AutoGPS application the EMX probe can be programmed to measure temperature, light, humidity, air pressure, sudden impact detection, vibration and 3D orientation. After connecting the external sensor, it can then measure temperatures in the range of -100 °C to +200 °C. The measured values are transmitted in real time to the AutoGPS servers and displayed to the operators through interactive graphs.

Each measured variable can have threshold alarm levels assigned through the application interface. If any of these levels exceed the preset tolerance this is considered to be an alert condition and a system alert is generated.

User Administration

ID	Login	First Name	Role	Status	Dallas chip	Last registered	Logged
5869	ivo	Ivo				7/7/2011 10:46	19x
9	c_budejovic	Petr				18/4/2012 16:20	709x
10	pitze	Michal				17/4/2012 16:38	1146x
11	k_vary	Stjepan				13/4/2012 10:30	1530x
12	h_kralove	Martin				18/4/2012 11:52	2007x
13	zlin	Richard				18/4/2012 14:19	2175x
14	mekrik	Tomáš				15/4/2008 8:50	3x
15	ostrove	Rostislav				18/4/2012 11:32	978x
16	turnev	Radek				13/2/2012 13:15	384x

EMX Probe





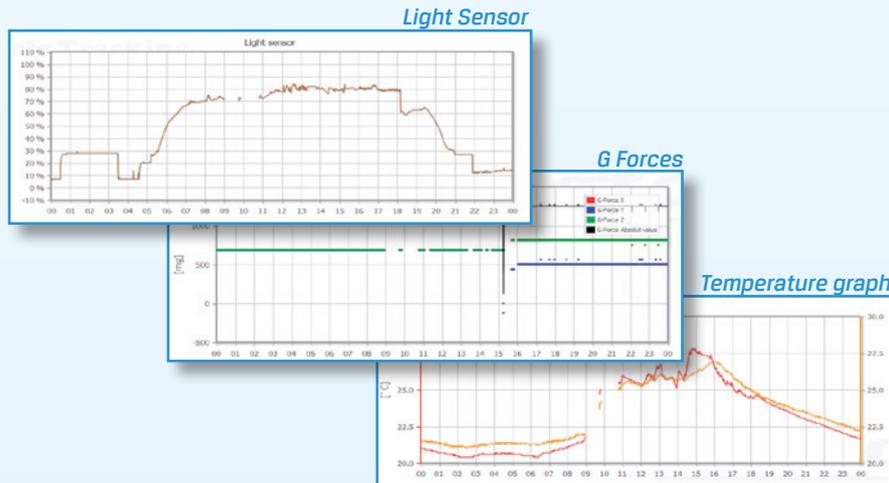
System T.E.M.S.

Reports from the Transport Environment Monitoring System (TEMS) data can be automatically generated when the device arrives at its destination or when the cargo carton, pallet or container is opened and can also be generated on an as-needed basis.

The report is easy to understand with the first page telling the user if there were any excursions from their programmed parameters. If no excursions, a green check mark appears. A red X indicates excursions and the data is appended for review.

This allows for rapid decision making by quality assurance personnel to determine if the cargo product has been compromised.

TEMS Report



Tracker: GL200_Probe_9702
MEZ: 867844000479702

EMM SN: A119

Status: OK

Type of delivery transport: pharmaceuticals

8/20/2012 1:34 PM CEST
SW 16144 St HW7915, Kendall-Perrine, County Miami-Dade, Florida, US

8/21/2012 1:00 PM CEST
Svea4 Katerina, County Blansko, Zlomovarsky, cz

MONITORING SUMMARY

Start Values	T [°C]	H [%]	P [Pa]	IR [%]	Inclined	T PT100 [°C]
Mean Kinetic Temperature (MKT)	+27.4	-	52	102.8	59	0
Max Values	+28.2	54	102.8	77	0	-
Min Values	+24.2	46	77.8	0	0	-
High Extreme Count	-	-	-	-	-	-
Excursion Time	-	-	-	-	-	-
Low Extreme Count	-	-	-	-	-	-
Excursion Time	-	-	-	-	-	-
End Values	+25.9	52	97.7	0	0	-

PROBE RUN SUMMARY

Time Start: 2012-08-20 21:07:00 CEST End: 2012-08-21 12:57:00 CEST

Time Zone: CEST - Europe/Prague

Start Address: SW 16144 St HW7915, Kendall-Perrine, County Miami-Dade, Florida, US

End Address: Svea4 Katerina, County Blansko, Zlomovarsky, cz

Run time: 15 h 50 min

Log Count: 672

Low GPS count: 0

Battery: Start: 37% End: 57%

ALARM LIMITS

	T [°C]	H [%]	P [Pa]	IR [%]	Inclined	T PT100 [°C]
High Extreme Value	-	-	-	-	-	-
Low Extreme Value	-	-	-	-	-	-

DATA COLLECTION SETTINGS

	Global	Move	Rest	Flight	Units
EMM Sending Interval	1	n/a	n/a	n/a	[min]
EMM Excursion check interval	n/a	n/a	n/a	n/a	[min]
EMM Logging interval	1	n/a	n/a	n/a	[min]
GPS Sampling Interval	n/a	180	180	n/a	[sec]
GPS Sending Interval	n/a	180	180	n/a	[sec]

17



Enhanced Features

Using built in Epsilon or ultrasonic fuel sensor

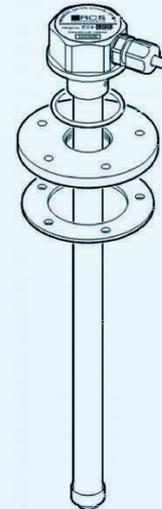
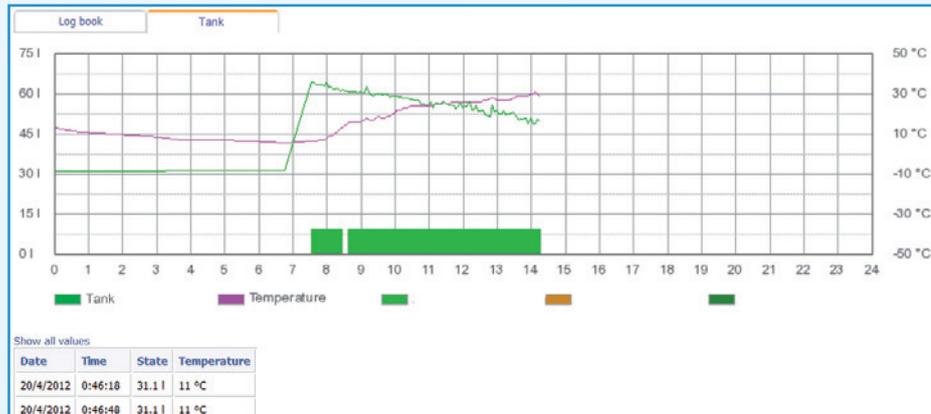
The AutoGPS application supports several direct or indirect fuel level measuring methods.

As an alternative solution for vehicles that do not support direct connection to the CAN bus, we offer support for Epsilon fuel sensor rod or ultrasonic sensor.

The sensor measures changes of its capacity which is a linearly dependent on the actual level and temperature of the fuel present in the tank. The measurement accuracy is typically better than 10%.

The acquired capacity changes are converted to digital data, processed by the backend servers and accessed through the AutoGPS application. The fuel level changes are continuously monitored even when the vehicle is parked and its ignition is off. If there is a sudden drop in the fuel level measurements the theft alert event will be triggered.

There could be up to four sensor rods or ultrasonic sensors installed on one vehicle simultaneously.





SmartBox®

SmartBox combines real-time GPS tracking, surrounding environment sensors, external battery for long life, all in one small magnetic waterproof box. Special sensors measure temperature, humidity, atmospheric pressure, light levels, 3D orientation and impacts.

GPRS tracker adds altitude and GPS position and transmits all the information to our server in real time via mobile data. Our servers process the data, allowing you to view it in graphs, maps or generated alerts.

Power management module can extend 12aH battery life by up to 4 times longer!

- Monitor the temperature of valuable, perishable, chilled, or frozen foods during transport and storage.
- Ensure the integrity and compliance of pharmaceuticals.
- Receive alarms if fragile goods are subjected to shock or impact.
- Get notified if a container or carton is opened prior to arrival at its destination.
- Monitoring of facilities, vehicles and independent shipments.
- Internal 3-axis accelerometer for power conservation and motion detection
- Quad band GSM/GPRS
850/900/1800/1900 MHz
- Dimensions 145x95x34mm
- Internal WCDMA/GPS antennas
- CE/FCC certified

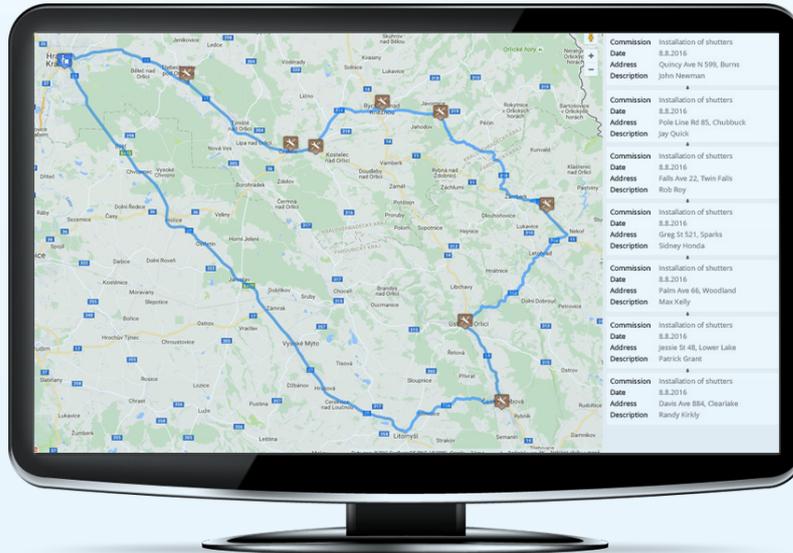




Enhanced Features

Route Planner Module

With the RoutePlan electronic logbook module you gain the ability to easily track and plan service routes, making your deliveries or service calls much more efficiently. You create your itinerary by selecting a contract/job from the logbook calendar and then click on the map. Repeat until completed. Prepared routes are then pushed to drivers via mobile application. Drivers can accept or edit through the app if necessary. Finally, it navigate tech/driver to the contract jobsite using smartphone or tablet.





QR or Quick Response Code Tracking

You are now able to track any mobile asset such as a garbage dumpster simply by scanning a QR code. Place QR code on your mobile asset and when it is picked up and dropped off worker scans the code. GPS coordinates from the smartphone is sent and recorded to our servers. All of the logbook functions are the same but it does not require any hardware, installation, power source, sim card, or data plan.

Knowing where your assets are at all times will not only help logistically but also allows you to maximize your return on them. This is by far the most economical way to manage your mobile assets all over the world.





Enhanced Features

EDI Messaging

EDI is exchange of documents electronically instead of being handled by people. Having people involved slows down the processing of the documents and also introduces errors. Instead, EDI documents can flow straight through to the logbook application servers and processing can begin immediately.

We have full service integration of EDI messaging through third party systems into our tracking logbook. This allows you to manage all your shipping logistics information in one platform.



Frequently asked questions



How frequently is tracking data refreshed for viewing?

In the Real-Time tracking mode data comes into the servers as quick as every 5-10 seconds.

Are tracking devices difficult to install?

Basic vehicle/asset installation is 3 wires, ground, constant power, and power that goes on / off with the ignition. We also have portable devices [SmartBox, see pg. 19] which do not require any installation and can run for 6-18 months.

Can I control anything in the vehicle/asset, like the starter?

Most all devices have multiple controllable Input/Outputs. For example you can disable the starter, get alerted when alarm system goes off, lock / unlock doors and more.

What is involved in maintaining the tracking device?

There is no maintenance required. Once GPS tracking device is installed you are ready to go.

What happens if the GPS signal is lost, like putting cargo into trailer?

When cargo goes into trailer you likely will lose GPS signal but with MotoMon's GSM Localization you can continue to track going down the road.

What kinds of reports are available?

You have access to almost 100 reports. If for any reason you need a customized report we will work with you and create it. We can easily do this as we are the creators of the tracking platform, not a reseller.

Will I get free upgrades?

Yes, we continually upgrade and monitor our web-based software is to insure the highest level of service and features available in the industry.





Accessories

Technology for hardwired installations

Hardwired vehicle GPS tracking devices are the cornerstone of most tracking systems. AutoGPS has the unique ability to support a long list of assorted products and accessories from many different manufactures.

Ranging from simple products that support only the basic GPS monitoring, up to sophisticated devices capable of connecting to the CAN bus, identifying drivers and measuring actual fuel levels.

Today's commonly installed features include trip type selection switches and RFID or Dallas identification chip readers.

The processing of status information about the devices connected to digital or analog inputs of the GPS tracking box has become an easy and straightforward procedure.

Functions of installable accessories are not limited to a passive data collection. There are remotely controlled outputs available which can be used to instantly immobilize a stolen vehicle.

Tracking of people, animals and cargo

The technology used to track people, animals or goods is fundamentally different from the technology used for vehicle tracking. It requires a small size unit, light weight, water-resistance, maximum sensitivity GPS receivers and the longest possible functionality on a single battery charge. After adding the SmartBox, a waterproof magnetic housing with external battery and 3D motion sensor the operational time can be extend by several months.

The wide range of supported personal tracking equipment can be remotely configured through the user friendly AutoGPS application. This allows you to quickly define optimal control settings parameters for all of your tracking devices.



Automobile GPS unit



Personal tracker



Automobile GPS unit



Mobile Digital Recorder



Publix Supermarkets

"Mr. Moder, Thank you for all your assistance in the lease of the GPS tracking units we acquired from MotoMon. As you know, we did make an arrest from these thefts and it would not of been possible without the use of your product and the ease of tracking that is available on your dedicated servers. I appreciate all the time you took with me on the phone and in person to assure all our needs were met."

Publix.

Robert Salazar
Region Loss Prevention Specialist
Publix Supermarkets

OnTrack Rastreo Satelital,SRL

"As a distributor and customer for more than 5 years I can tell you the MotoMon tracking software and almost any hardware together are a very powerful management tool. The platform has all the features to make your fleet work in a better way. "Efficiency" is the number one priority with this system, and it can give you fast results when this technology is installed"



Raúl Eduardo De León
Owner/Manager
OnTrack Rastreo Satelital,SRL

CMG - Cargo Management Group

"When we started working with MotoMon few years back they suggested we use their newly developed device called the SmartBox to track our customers freight forwarding shipments. The SmartBox is a customized magnetic box which contains inside a large re-chargeable battery, GPS tracker and probe which in addition to position gives our customers live information on temperature, light, humidity, and more. We started with one to test and now have grown to over 25 unit. Customers have learned to depend on this shipping feature and ask for it most all the time."



Italo Teran
Financial Chief
CMG - Cargo Management Group



Benefits

Why use AutoGPS system

The essential elements that will save you money:

- Decrease the number of private trips done on company time, overview of working time efficiency
- Reducing vehicle wear and tear
- Fuel savings and reduced service costs
- Transparent fleet usage, the ability to identify inefficient vehicles and drivers
- Management and control of vehicles movement in fleet logistics based companies
- Synoptic fuel consumption control helps to reduce theft
- Improved vehicle security – ability to locate vehicle in case of theft
- insurance discounts and reduced downtime due to stolen assets

Case Study

The following savings are based on a vehicle driving an average of 40,000 miles yearly.

Using the Auto-GPS software can typically reduce mileage driven by up to 20%.

This 20% will either not be driven at all or will be properly identified as private trips. When we estimate the approximate fuel cost to be \$.35 per mile, the fuel saving would be \$2800 per year per vehicle.

Table of potential savings:

	1 vehicle	2 vehicles	3 vehicles	5 vehicles	10 vehicles
1 year	\$2800	\$5600	\$8400	\$14000	\$28000
2 years	\$5600	\$11200	\$16800	\$28000	\$56000
3 years	\$8400	\$16800	\$25200	\$42000	\$84000

There are additional savings like reduced wear and tear, less frequent services, savings from reduced insurance and more.

The return period of the initial investment is usually less than one year.



How does it work abroad ...

To determine the current position while abroad you can use one of the following methods or a combination thereof:

- Query the actual location via SMS
- On-line tracking by GPRS data

Query the actual location via SMS

In order to have this function working properly you first need to activate "sms roaming" on the vehicle's sim card. Then when you click on the "Locate" button the system immediately sends an SMS query directly to the tracking unit.

Through the roaming in friendly GSM network the unit can respond with a text message bearing the most recent information about its position.

The received position is stored in the database as well as being displayed on a detailed map.

On-line tracking by GPRS data

If the SIM card inserted in the mobile unit is benefiting from an active GPRS roaming Service [our sims can operate in over 150 countries], then the user will enjoy the tracking system in the same way as if the vehicle/cargo/mobile asset was in the home GSM network.

If the asset is expected to be operating permanently in the foreign country other than the users home network, it is often cheaper to equip the tracker with a local operator's SIM card having activate GPRS service. After proper configuration the unit will use the Internet to send its tracking data to AutoGPS's backend server no matter where it is currently located.





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EUROPEAN REGIONAL DEVELOPMENT FUND
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