

Autos Limited Ghana Vehicle Tracking Business Proposal

Prepared for Businesses & Individuals

By Autos Ghana Limited

Address: SK DTD, ADJACENT C&J HOSPITAL, COMMUNITY 16, TEMA, GHANA

www.autosghana.com, customerservice@autosghana.com Tel. +233(0)240541530



Executive Summary

Our Understanding of Your Goals

We understand that you or your business needs to monitor all your vehicles or company's to minimize risk and to its safety. We also understand that as part of internal processes and management, you may want to track vehicles to avoid abuse and cut down cost of operations.

The AutosGhana Solution

Our solution for Autos Ghana Resources will create real time monitoring of the vehicles via advance features and access to historic activities report.

Our solution is a complete turnkey solutions, and the ability to adapt our software to your own needs and even integrate into third party software. Our solutions comprises of a **Web Server** and a local telecommunications service integration.

Why AutosGhana?

With our solution, you will experience a 10% to 15% reduction of expenses on fuel and it will increase driver productivity. Autos Ghana's solution is based on Auto**Track GPS** which is a major manufacturer of GPS vehicle tracking solutions, fleet tracking and web based automated vehicle location solution, ideal for trucks, fleet auditory, track analysis, geozones, speed alarm detection, etc. in the United States.

AutosGhana has a support team based in Ghana with 24/7 support to our client.

In presentation

AutosGhana works closely with professional vehicle tracking and alarm installation experts to gain the greatest advantages for the solution we supply to our clients. In order to deliver our solution within the shortest possible time, AutosGhana's project managers will work with your team to roll out the implementation with very minimum effect on your daily operations.

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We will provide a clear roadmap and a system to manage risk in the deployment phases.

Our Understanding of Your Goals

Based on your intended purposes, we believe we have a strong understanding of your requirement.

Dashboard Interface

"Dashboard-style" interface which is simple and easy to use. With just a few clicks, one can run any report or map for a single vehicle or entire fleet.

Mapping Platform

Browser-based, 3D Google Earth, and smart phone mapping provide a familiar and intuitive experience for tracking fleet.

Mobile Apps

Advanced mobile functionality makes it easy to track and communicate with the fleet from anywhere at any time.

Landmarks/Geo fencing

Landmark and geo fencing functionality makes it easy to set parameters to trigger alerts, reports, and maps to deliver even greater insight into your fleet's activity.

Hierarchy Capabilities

Hierarchy Capabilities massively simplify administrative and reporting needs, as well as ensuring full utilization for large implementations.

Fleet Tracking Reports

Must offers 30+ powerful reports. Each report should be fully configurable to provide exactly the data required and can be accessed online, by email, or viewed in Excel.

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**Optimized Routing**

The software easily allows you to determine wasteful trips after the fact, and our optional Routing capabilities can be used to proactively assign the best routes.

Driver ID

Driver ID keeps track of any activity performed by a vehicle during the time the driver was assigned and will associate that driver for reporting purposes.

Fleet Messaging

The system must be able to send and receive SMS text messages to and from drivers via any mobile device or use the various Dashboard messaging features to

communicate with entire fleet.

Fleet Tracking Alerts

The tracking system must provide a wide array of configurable alerts via email or sms that enable you to proactively manage and track your fleet 24/7.

Vehicle History

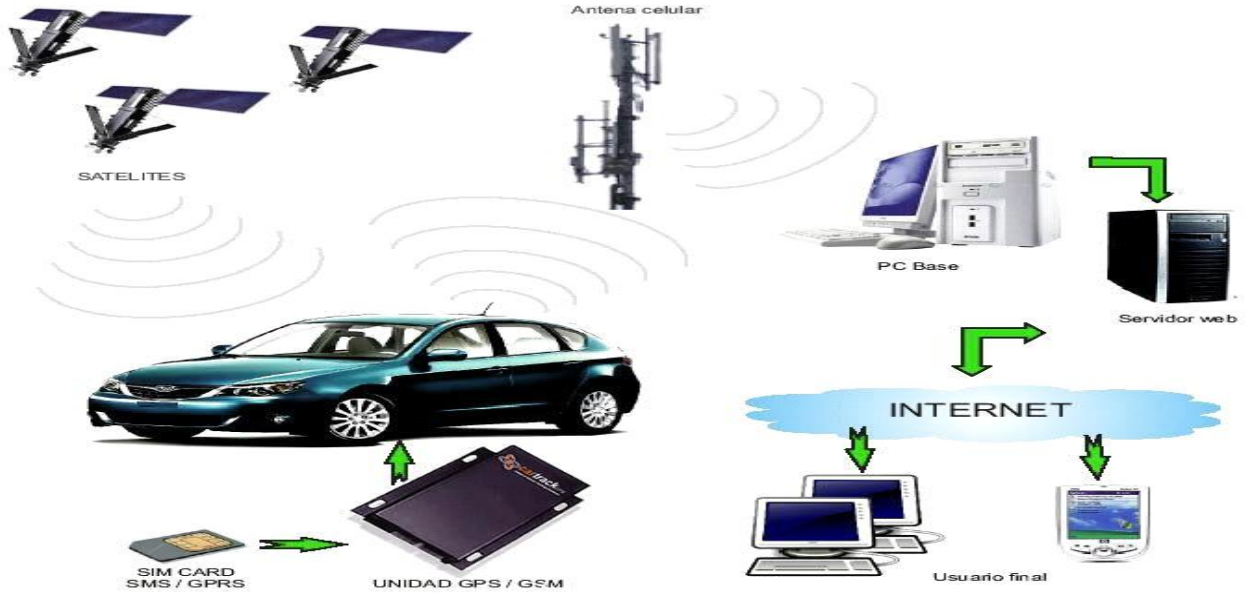
The system must offers 2 years vehicle history and reporting standard.

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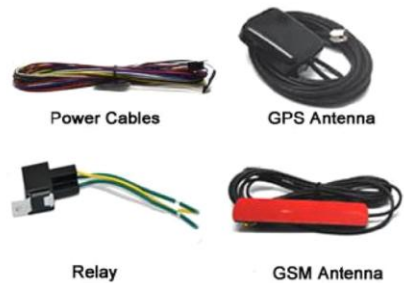
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Hardware and Accessories



- ① GSM LED Light
- ② GPS LED light
- ③ GPS Antenna
- ④ GSM Antenna
- ⑤ MIC Port
- ⑥ Cables Interface
- ⑦ Switch
- ⑧ USB Port
- ⑨ Sim Card Holder



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AutosGhana's Solution

AutosGhana is a provider of solutions for GPS fleet vehicle tracking business users. We offer solutions in GPS technology to enable you to track and locate your vehicles at all times.

Our systems will provide historic activity reports on your fleet whether they are vans, HGV's or company cars. Our solutions empower you to monitor your work force and improve fuel efficiency whilst increasing safety for your drivers and other road users.

It is widely known that driver behavior can change drastically when vehicles are adequately monitored. Our "GPS TRACKING" platform delivers a solution to you in an easy to use web log on which can be accessed from anywhere in the world:

How the system works

The Web Server gets the vehicle location coordinates and plots it into the web browser's Google Maps API. Any user can access to the server through compatible web browsers (PC, Tablets, Mobile, etc).

In parallel, the user can interact with his vehicle by sending remote commands, locking the engine or monitoring the security of his vehicle(s) securely and easily with the use of his credentials.

For real time tracking we employ GPRS data communication, which consists in TCP/IP packets delivered over Internet from the vehicles to the Server.

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Functionalities

- SMS and GPRS TCP/UDS Communication.
- Location on demand.
- Tracking by interval of time: The administrator can set the time intervals for reports
- Hearing Mode: (Remote voice hearing) (Optional)
- Storage on memory when no GSM coverage detected, storing up to 2000 waypoints
- Detour reporting (1-360°).
- -Motion sensors included for power saving
- Panic button,
- Ignition detection.
- Remote door locks, and Windows controls
- Geo fence Control
- Over speed Alert
- Low Battery Alert
- Power off Alert
- Engine block Alert
- No GPS coverage Alert
- I/O: 4 digital inputs, 4 digital outputs.
- 2 Analog inputs - 10 bits resolution.
- - Fuel sensor and temperature sensor (accessories)
- - 2 Serial Ports (for JPG Camera or RFID)

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KEY FEATURES OF OUR WEB SERVER

Administration of Users and user's permissions

- Unlimited vehicles and fleets supported
- Unlimited Geo zones with speed alerts (each one with a unique max. speed)
- Instant event notification by email
- Vehicle of fleet map view (supports adding your own maps through OSM)
- No licensing fees, no limit of vehicles, no incurring costs.
- Real time vehicle tracking and historical tracking. Allows for Google Earth 3D tracking visualization.
- Fleet tracking reports, vehicle tracking reports.
- Ability to export the reports to Excel, Google Earth and even in XML or HTML formats.
- Excess speed alerts, by geo zone or global alert.
- Total elapsed distance and time per trip. Reporting time with the engine on (idling).
- On screen odometer and speedometer.
- Driver name identification and vehicle use allowance by RRFD
- Harsh brakes detection through accelerometer

Technical Details

- Power supply: +9V to +36VDC.
- Back up Battery: 850mAh.
- Normal power consumption of 28mA/h.
- Dimensions: 104mm x 62mm x 24mm.
- Weight: 450g.
- Operation temperature: -20° to 55° C.

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- Humidity: 5% to 95%

Frequency: QuadBand GSM 850/900/1800/1900Mhz.

- GPS Module: last GPS SIRF-Star III chipset.
- GPS Sensitivity: -158Db.
- GPS frequency: L1, 1575.42 MHz .
- Channels: 20 channels all-in-view tracking.
- Position accuracy: 10 meters, 2D RMS.
- Velocity accuracy: 0.1 m/s.
- Datum by default: WGS-84.
- Altitude limit: 18,000 meters (60,000 feet) max.
- Speed limit: 515 meters/seconds max ● Led: 2 leds to show the GPS/GSM status.
- Flash Memory: 8 MB.
- Button: One SOS button.
- Interface: 5 digitals inputs, 5 digitals outputs and 2 analogue inputs.

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Commercials

Company Plan **895 (GHC)**

This includes installation charges for each vehicle.

Data Management Plan: **15 (GHC)**

Purchase Plan **775 (GHC)**

This includes installation charges for each vehicle.

Data Management Plan: **18 (GHC)**

Basic Plan **545 (GHC)**

This includes installation charges for each vehicle.

Data Management Plan: **18 (GHC)**

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Implementation

- Installation for each vehicle will take approximately 1-2 hours. This includes:
 - Hardware fixing
 - Configurations
- Schedule of all vehicles to be tracked will be taken into consideration to minimize the effect on operations
- Majority of vehicles could be installed over the weekend.
- AutosGhana provide enough Installation Engineers to finish the project on agreed schedule.

AutosGhana will train your administrators on the use of the tracking solution

Warranty:

All devices have a 1year warranty from day of active installations

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