Complete Custom GPS Fleet Tracking
Turnkey Solution

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www.ExpoTechinc.com
Complete Custom GPS Solution
Routing and Tracking

www.expotechinc.com
How it Works
Key Benefits of Fleet Tracker

ExpoTech's real time visibility allows fleet owners to:

- Reduce operating expenses
- Detect and eliminate waste and fraud
- Improve worker performance and compliance
- Track start/stop times through visibility into driver routes and time stamps for entering or exiting a job site
- Speeding
- Excessive idling
- Route and schedule compliance
- Travel outside authorized areas
- Unauthorized use of company vehicles
- Fuel theft
- Increase accuracies and efficiencies
- Ensure accurate time reporting for billing and payroll, and on-time scheduled vehicle maintenance

www.expotechinc.com
Real-Time Communication

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Turnkey Command Center
Key Benefits of Fleet Tracker

- On-the-go, anytime fleet visibility from any mobile device, any browser
- Know where your vehicles and assets are located 24 hours a day
- Keep track of targeted vehicles, sub-fleets, simultaneously
- Automatic or on-demand fleet activity updates, such as statuses and events, right from the map
- Receive mobile alerts for specific fleet activity via email, SMS
- Improve efficiency, productivity, driver response times and customer service

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Dispatcher Software

• Visualize and manage your fleet presence with automatically updating maps. Either view the whole fleet, a sub fleet or follow one unit.

• The playback mode makes it easy to review the activities of the vehicles in the fleet throughout the day. Your full history is available, so pick any day to review.

• The mapping software also shows real-time traffic information giving you additional perspective while you dispatch your cars and trucks.

• Use landmarks or Geofences to manage worksites or customer locations. Most reports give distance to nearest landmarks.
• Enter and Exit alert emails can be used on Geofences.
Routing Fleet Management

Tracking Maps

- Track the location of vehicles in route
- Route vehicles more efficiently
- Reduce total miles driven
- Provide driving directions to drivers
- Know at a glance which vehicles are closest to an address, customer or landmark
- Track vehicle data including speed, direction, and odometer reading
- Large online fleet map visually identifies the location of all fleet vehicles.
- Satellite and hybrid maps provide an accurate and realistic depiction of a vehicle’s location and geographical surroundings.
- Unlimited landmarks – user-defined objects such as a customer’s house, a retail mall or an airport – help fleet managers route vehicles more efficiently and predict shipment arrival times.
- Customizable geofences – virtual boundaries or perimeters indicating a defined area on a map – track vehicle entry and exits from designated areas and help to deter vehicle misuse.
- Partnerships with Esri® ArGIS® GeoEvent Processor create seamless overlaying of multiple mapping and fleet data management, for a broader, deeper understanding of what’s happening in the field.
You Can't Manage What You Don't Measure

1. Units monitor vehicle location, engine diagnostics, and other fleet performance metrics – 24/7

2. The fleet tracking system automatically transmits vehicle data over a secure wireless network to the Data Center.

3. Fleet operators access a secure website to receive vehicle alerts, track vehicle locations, and monitor driver behavior. Using PCs, smart phones and tablets, managers monitor fleet tracking data to make real-time decisions that lower costs and improve fleet performance.
Keeping track of employees driving your company vehicle(s) can be a daunting task. But GPS fleet tracking allows you a deep look into how employees are utilizing company assets. Inefficiencies, less than optimal operations and waste comes in many forms, and GPS fleet tracking software can give you clear facts to use when addressing them, including:

- Excessive Idle Times
- Moonlighting
- Poor Driver Routing
- Speeding and Unsafe Driving Practices
- Personal or Unauthorized Vehicle Use
- False or Exaggerated Time Sheets
- Late Workday Starts / Excessive Lunch Breaks
- Theft of Company Assets
- Gasoline Theft
- Liability Risks
Store and Forward Technology

- **GuardMagic mTF** (Multi Tanks Support)
  - monitoring after vehicle is driven;
  - has not any operation fees (visible or hidden);
  - monitoring: vehicle, parameters of movement, route, fuel (fueling, draining, consumption), additional sensors, drivers,
  - immobilization function.

- **GuardMagic VB** (Multi Tanks Support)
  - real time monitoring;
  - monitoring: vehicle, location, parameters of movement, route, fuel (fueling, draining, consumption), additional sensors, drivers,
  - immobilization function.

**Off-Line** Monitoring

**On-Line** Monitoring

- Removing data to PC by standard USB Flash Drive (download data in any convenient place)

- Data sending to Monitoring station by GSM/GPRS and Internet

- Internet
GPS Kit

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GPS Kit
E100

- Made in China with USA specifications
- Complete Turnkey system
- Dispatching Software
- Complete Management reporting
- Dispatching Software
- No Monthly fee for Hardware or Software
- Customer only pays for data (sim card) monthly
- 1 Year Warranty
GPS Kit
E200

- Made in China with USA specifications
- Complete Turnkey system
- Dispatching Software
- Complete Management reporting
- Dispatching Software
- No Monthly fee for Hardware or Software
- Customer only pays for data (sim card) monthly
- 1 Year Warranty
GPS Kit
E300

- Made in USA
- Complete Turnkey system
- Dispatching Software
- Complete Management reporting
- Dispatching Software
- No Monthly fee for Hardware or Software
- Customer only pays for data (sim card) monthly
- 1 Year Warranty
Dispatcher Room

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Open Architecture  Open environment
Ready to deploy regardless of client hardware or back office systems
ExpoTech Software
Dispatcher View

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ExpoTech Software
Dispatcher View
ExpoTech Software Dispatcher View

Filters truck list to show only those that are integrated with HOURS OF SERVICE.

HOURS OF SERVICE link lets users "Drill into" the "Hours of Service" driver data.
ExpoTech Software
Dispatcher View
Real Time Tracking and Monitoring

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Fuel time (11:30 PM Galena Park, TX) does not match the log
11 hour driving violation registered at 11 AM for 7.88
Driving after reaching 14th hour on duty at 9:21 AM for 9.53 hour(s)
Average speed over the limit: 68.23
GPS Fleet Tracking for any Industry

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Oil Tanker Tracking
Fuel Storage Tank Monitoring

GuardMagic FSM (fuel storage monitoring module)

Fuel Level Sensor

Fuel Storage Tank

GSM network
GPRS

Monitoring Station

Internet
Fuel Tracking

[Diagram showing fuel tracking system with ST 4000 fuel storage module, fuel level sensor, vehicle fuel tank, GSM/GPRS network, and monitoring station connected to the internet.]
Trucking Monitoring

- GPS/GLONASS
- Tracking device
- Telematics server
  - Operational data and reports
  - Internet
- Onboard reports (GSM/GPRS)
- DUT-E fuel level sensor
- DFM fuel flow meter
- CANCrocodile contactless reader