

Manage Driver Safety and Reduce Operating Costs Using Trimble Solutions

When your drivers are out on the road servicing your customers or transporting your loads, they are a public representation of your company and your values. Their adherence to company safety and schedule guidelines affects the success of your business.

The Trimble GeoManager DriverSafety solution enables you to track driver compliance and can help protect you from unwarranted liability claims, customer complaints and a negative public image. Using real-time vehicle location, vehicle data and driving behavior information, the GeoManager DriverSafety solution gives you the visibility you need to ensure that your people are safe and productive, increase your profit by lowering your liability risks and decrease your company's impact on the planet by lowering fuel and vehicle use.



Key Benefits

- Improve driver safety
- Lower liability risks
- Reduce operation costs
- Lower accidents
- Increased productivity due to less vehicle down time
- Increased fuel savings due to fewer speeding incidents and fast acceleration starts
- Enforce driver compliance
- Improve public image

Lower Fuel Use and Other Company Costs

Aggressive drivers are a factor for excessive fuel use, increased maintenance costs and higher accident rates. A recent study from the U.S. Department of Energy documents that "Aggressive driving (speeding, rapid acceleration and braking) wastes gas. It can lower your gas mileage by 33 percent at highway speeds..."*

Additionally, the report states that the most common aggressive driving behavior – speeding – accounts for the largest percentage of fuel wasted during aggressive driving, and that following the speed limit improves your gas mileage up to 23%.*

Another cost factor caused by erratic driving is increased maintenance. Aggressive driving requires more frequent routine maintenance, such as oil and air filter changes, brake pad replacement and tire rotation. Tires that might normally last 60,000 miles may only last 50,000 miles with speeding, erratic turns, stops and fast starts. With the option to combine fleet management capabilities, the extensible driver safety solution allows you to reduce your company costs by:

- Sending audible and visual alerts to drivers when their actions are outside set guidelines
- Communicating with employees through two-way messaging
- Locating vehicles immediately to ensure that they are safe without depending on driver interaction
- Pinpointing vehicle location at a specific time to respond to customer billing inquiries and traffic incident claims
- Evaluating driver trends using time-in-yard and stop time reports to increase the number of jobs completed each day

Protect the Environment with Safer Driving

By reducing unsafe driving practices, your vehicles not only run more efficiently, but the impact to the environment is lessened with fewer unusable vehicles from accidents or breakdowns and lower carbon emissions. With the impact of increased regulation and the ongoing instability of energy prices, the DriverSafety solution helps you save money while reducing your carbon footprint.

Features

- In-vehicle hardware alerts the driver to behaviors outside set guidelines
- Driver safety dashboard gives managers a quick overview for driver safety scores
- Driver safety scorecard, a report card that helps managers evaluate overall driving skills
- Posted vs. Actual Speed report captures speeding incidents and trend aggressive driving behavior
- Fuel and mileage reporting links reduced erratic driving behavior to improve fuel use
- Carbon emission data records fleet CO2 output
- Map displays harsh maneuver event locations
- Exception reports captures speeding and idling events

Help Promote Safe Driving Behaviors

The Trimble GeoManager DriverSafety solution leverages the GPS receiver in the in-vehicle hardware to collect the required data for analysis. The in-vehicle hardware sends the information to GeoManager, which analyzes maneuvers, measures G-Force and translates the data to safety scores, which include speed, handling, deceleration and acceleration.

An in-vehicle display illuminates to indicate the driver's safety level and an audible beep will alert the driver if the current action is outside the safe range. This instantaneous feedback helps drivers become aware of their behaviors, allowing for immediate correction.

The overall driver's score is presented in GeoManager using score cards, consoles and reports that allow managers to evaluate overall driving risks and skills. By tracking driver performance, managers can follow specific behavior trends over time and identify areas where drivers require training.

For more information about the GeoManager DriverSafety solution, call our sales representatives at 877-728-7623 or send an email to mrmsales@trimble.com.

* "Driving More Efficiently." www.fueleconomy.gov. 2008 U.S. Department of Energy/U.S. Environmental Protection Agency. 10 Oct 2008. <<http://www.fueleconomy.gov/feg/drivehabits.shtml>>.

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