



Go Technologies stand at the recent ITTE show.

Tracking mobile assets

KNOWING THE WHEREABOUTS OF MOBILE ASSETS SUCH AS TRAILERS, CONTAINERS OR MOBILE GENERATORS CAN BE A CHALLENGE FOR TRANSPORT OPERATORS. HOWEVER, TO OVERCOME THIS ISSUE, **GO TECHNOLOGIES** HAS DEVELOPED GO TRACKING, A MOBILE RESOURCE MANAGEMENT PLATFORM THAT PINPOINTS THE EXACT LOCATION OF MOBILE ASSETS TO OFFER GREATER PIECE OF MIND.

Whilst the take-up of GPS tracking systems for vehicles is on the increase, the tracking of mobile assets such as trailers, containers or mobile generators is an area that has been largely neglected, as tracking systems have traditionally been targeted only at the vehicles themselves.

Go Technologies is a specialist provider of GPS tracking products, fleet management solutions, and safety solutions to both the trucking and automotive industries. Its Go Tracking hardware and software solutions provide comprehensive management tools focused on the reduction of operational and maintenance costs, increased mobile asset utilisation, optimised planning and scheduling of job assignments, and overall enhanced mobile resource safety.

Hardware

A trailer with a GT-828T trailer tracking system on board may be programmed to operate as a typical vehicle tracking system providing periodic position updates every five minutes, or as required, when the trailer is connected to a truck. When the



Refrigerated trailer fitted out for ITTE show in conjunction with Lucar trailers.

trailer is untethered the system switches to a low power mode and operates off its own internal battery.

Whilst in low power mode the unit can be programmed to send one message a day or even one message a week depending on the requirement.

As soon as the trailer is reconnected to

a truck, the system will switch to normal operating mode and the internal battery will be recharged accordingly. The GT-828T is water and dust proof and rated to IP67. It has been specifically designed to meet the harshest operating conditions. Currently, the system is being successfully used across several industries which include utilities, logistics, pharmaceuticals and emergency response.

Go Tracking Software

The Go Tracking system is operated through a web-based Mobile Resource Management system, which enables access from any location.

Automatic Vehicle Location (AVL) provides a mapped display of a vehicle's current and past locations, as well as a suite of reports detailing vehicle and driver activities, vehicle events and vehicle maintenance related information.

This Microsoft Silverlight web browser based platform provides operators with a powerful but user friendly interface that can be used in numerous languages. It uses

the latest Navteq mapping which covers all of Australia and a range of state-of-the-art technology to compile information and reports. These reports can be exported in many formats and operators can schedule reports to be generated and emailed automatically as often as the user requires. The system also allows transport operators to analyse driver behaviour and identify drivers who are impacting on the vehicle's efficiency and operating or maintenance costs.

Refrigeration

For refrigerated equipment, the system provides an online view of refrigerated goods in transit and offers an analysis of refrigeration information. The system has been designed to support up to four digital temperature sensors which can be located anywhere throughout the trailer. This can be very important to the food transport industry to ensure proper temperatures are maintained during the transportation of perishable goods or those that require strict temperature controlled environments.

The system also supports direct connection to a Thermo King refrigeration unit. This enables the temperature sensor information from the Thermo King unit to be read directly and reported accordingly.

Locations (Geofences)

If a transport operator wishes to monitor the activities of a vehicle or assets within a defined geographical area, this is also



possible through the system. Places of interest can be loaded into the system so that a vehicle's activity in these areas can be analysed and presented as a report if needed.

In addition, Transport operators are given the ability to define geographical areas (referred to as geofences) in the Go Tracking system. These geofences can be categorised as depots, customers, no-go areas, or whatever the customer chooses. The system can monitor entry and exit from these geofences and report these back to the web based system for further processing or analysis.

Inputs and Outputs

The entry and exit from geofences can also be used to trigger user defined actions. An example of this might be to lock the cargo doors on a geofence exit or when leaving a depot or customer. The doors can then be automatically unlocked when

entering a geofence at the next location. This is triggered via a range of other inputs or outputs that allow other systems or sensors to work with the Go Technologies' system. For example, a tyre pressure monitoring system may be fitted to the trailer which provides a signal when there is a low pressure alert. This signal can then be processed by the GT-828T and relayed back to the web based system so that the problem can be resolved.

Scheduling

A variety of on-line planning and scheduling tools are provided to transport operators through the Go Tracking system. Used in conjunction with geofences these can be used to determine if equipment is on site and on time.

Go Technologies has built its reputation on supplying innovative, quality products to some of the world's best known automotive brands and commercial businesses. A comprehensive product range includes the Go Tracking range of Vehicle and Asset Tracking solutions, Multimedia systems, Camera and Safety solutions, Tyre Pressure Monitoring Systems and much more.

Go Technologies takes great pride in providing exceptional customer service. Expert installation is provided by Go Technologies, and technically trained staff offer ongoing system support. 



Trailer's locations and temperatures can still be reported when the trailer is parked.

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