

# • Application Note Oil & Mining Solutions



## KEY FEATURES

- Increased personnel and fleet safety.
- Overlay of geofences for increased monitoring in certain areas.
- Different speed limits for different areas.
- Monitoring of seatbelts.
- Integrated panic button for immediate assistance in dangerous situations.
- Direct communication with personnel via WebTrack and the Message Terminal.
- Forwarding of events and communication to email or SMS.
- Both vector as well as satellite raster data available.
- Special control room option for continues monitoring of assets.

## KEY BENEFITS

- The Global Satellite Network offers global safety and security solutions.
- It is a flexible asset management solution for use on vehicles, vessels and aircrafts.
- Equipment is compact, light-weight and simple to use.
- Direct access to critical safety information, anytime, anywhere.
- Historic data available for investigational purposes of accidents and recons.



## The Solution

At a time when safety and security are paramount, the need for highly evolved security measures through effective and reliable satellite tracking systems has become a necessity rather than a luxury. These harsh environments require specialised solutions, however, and it is specifically in these adverse conditions in which Solutions GlobalTrack has developed years of experience.

Companies have a legal and moral duty to ensure the safety of their employees, contractors and assets, and as companies expand into the global economy, they want specialised safety equipment that not only works effectively and efficiently, but can be deployed anywhere in the world.

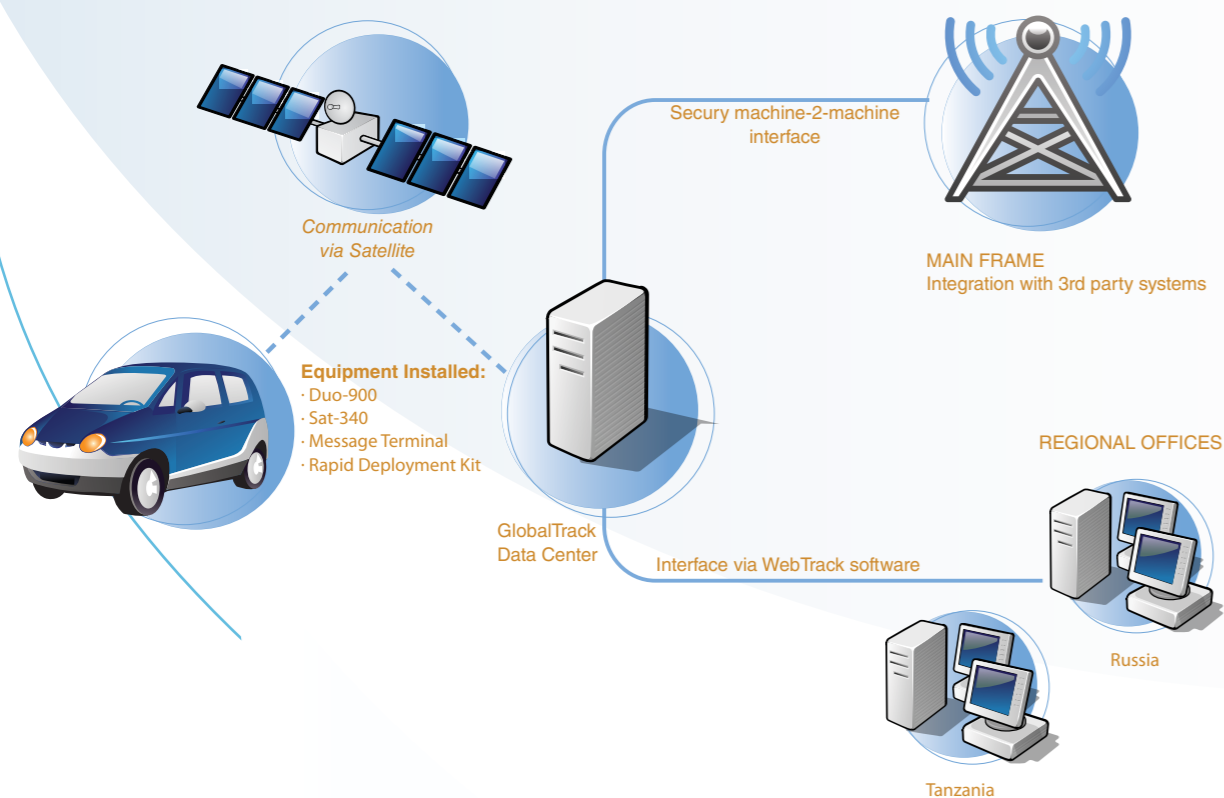
The GlobalTrack Oil & Mining solution has been developed particularly with these global corporations in mind, which means that from its corporate headquarters, a global company can now monitor its safety operations around the world.

These solutions include monitoring of:

- Speeding, including the ability to set different speed limits for different regions.
- Wearing of seatbelts.
- Calculation of CO2 footprint of the vehicles.
- Custom waypoints to pinpoint where stops have been made and the length of time thereof.
- Electronic logbook of driving hours and distance travelled.
- A panic button in the case of an emergency or hostile incident.

The company's designated manager in charge is notified via online software WebTrack, a monitoring centre or by SMS within seconds of one of the above occurring e.g. speeding. Instant communication with the employee, no matter where in the world they are situated, coupled with extensive reporting, increases the safety of daily operations while reducing overall costs.

All data is stored for an extensive period and can later be used for accident reconstruction or reconnaissance of new travel routes in order for the user to be more proactive in future.



## The System

Each tracking device reads its own position via GPS satellites. Depending on the communication technology of the device, this information is transmitted to one of four communication satellites around the globe or via GSM/GPRS, and then to the GlobalTrack servers for processing.

The information can then be accessed via a secure link to WebTrack or integrated directly into third party security management and monitoring systems.

## Hardware

Depending on your requirements, there are different hardware solutions available. Should you require easy installation and de-installation of units onto an asset, we recommend the Rapid Deployment Kit. On the other hand, the Duo-900 or the Sat-340 are available for fixed installations with or without the Message Terminal.

WebTrack provides factual information rather than estimates, enabling full monitoring of any assets out in the field and thereby dramatically increasing their security. All real-time information can instantly be accessed on screen for immediate use by means of user-friendly maps, overviews and graphs.

- The current location or history of any asset is displayed on both street maps and satellite images. Through easily identifiable icons, such as "trip start", "panic button pressed" or "door open", the status of the asset is immediately identifiable on the map.
- Detailed asset information, including amongst others, speed and direction of the asset, distance driven and latest message received is accessed by simply clicking on the asset.
- Setting geo-fences and different speed limits is as easy as drawing them on the map, naming them and transferring them automatically to the asset.
- Be automatically notified via email or SMS of any event such as breaking the speed limit or the use of a panic button.
- Communicate directly with the driver through the Message Terminal function and give the driver up-to-date information on location, threats etc.
- The asset overview page displays your entire asset list, which is divided into groups and subgroups thus enabling easy management of all your assets, whether they are vehicles, vessels or fixed or rotor wing aircrafts.
- The dashboard function provides easy map functionality such as zooming in or out, panning and switching between street and satellite views.

