

• Application Note Security Solutions

KEY FEATURES & BENEFITS

- Increased personnel and fleet safety.
- Integrated panic button for immediate assistance in dangerous situations.
- Direct communication with personnel via WebTrack.
- Forwarding of events and communication to email or SMS.
- Overlay of geofences for increased monitoring in certain areas.
- Integration with third party security and monitoring systems such as Tapestry.
- Both vector as well as satellite raster data available.
- Special control room option for continues monitoring of assets.



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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 GlobalTrack has developed years of experience.

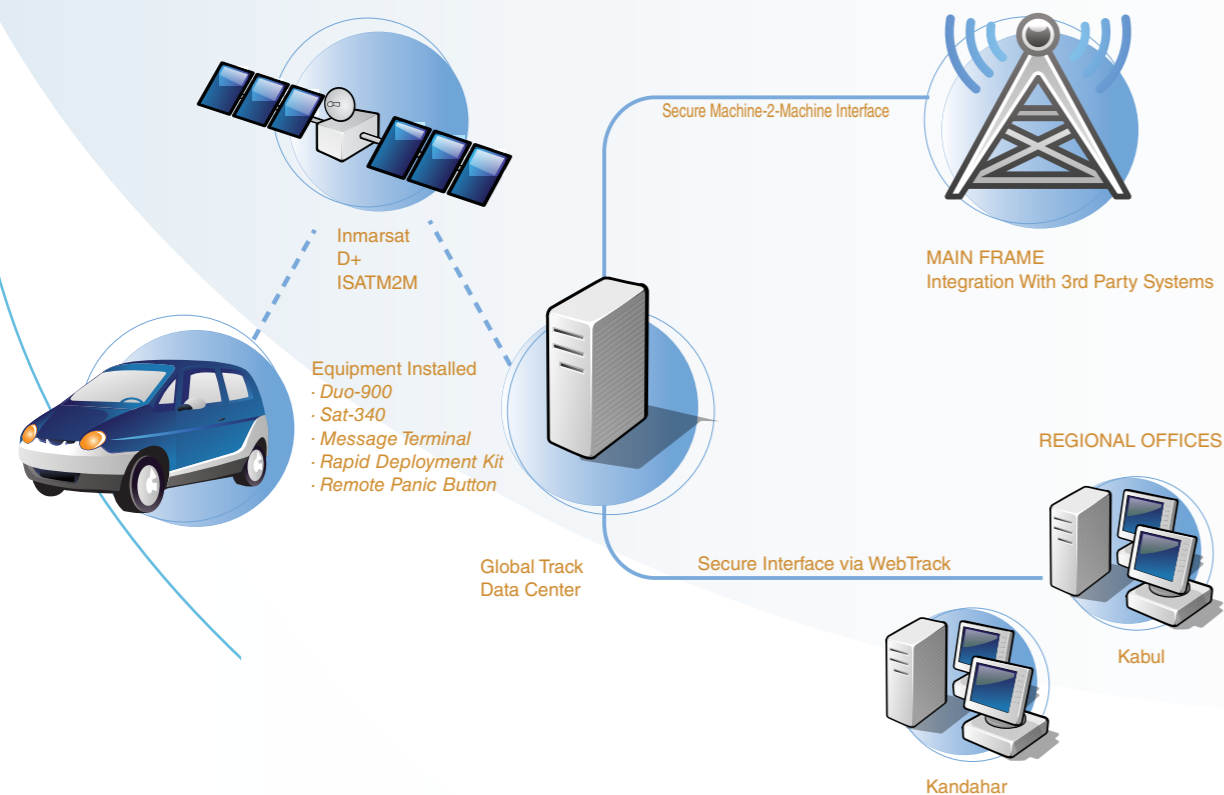
The military and civilian contractors for example extensively used GlobalTrack's satellite tracking solution during the war in Iraq. The technology proved to be a lifeline for people operating in this dangerous environment. Based on this experience GlobalTrack developed a tracking and monitoring solution specifically for security applications.

The GlobalTrack security solution comprises several hardware products which are available according to client and application requirements. All products report into, and integrate with, GlobalTrack's highly successful and widespread WebTrack.

WebTrack allows the user to view their air, land and marine assets equipped with GlobalTrack tracking devices from a single screen. Data relating to the status, location and other important communication information is updated in real-time no matter where in the world the assets are located. information is updated in real-time no matter where in the world the assets are located.

Hardware

Depending on the requirement there are different hardware solutions. When you require easily installing and de-installing of units onto an asset we would recommend the Rapid Deployment Kit. For fixed installations either the Duo-900 or the Sat-340 will suffice, with or without the Message Terminal.



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.

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 MessageTerminal 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.

