

• Application Note NGO & Humanitarian solutions

The GlobalTrack solution does not only provide basic information such as the location of the asset. It also provides features like:

- Warnings when a driver is breaking the speed limit
- Emergency button to ensure driver safety
- Fuel intake monitoring of the vehicle and
- Average fuel usage of each vehicle
- Odometer reading of a vehicle
- Tracking and notification of vehicle maintenance events, such as oil change and other related items
- Complete breakdown of vehicle use per project, region, or country
- Optional message terminal for communicating with the driver and enhanced driver safety features such as audible warnings and enhanced data capturing capabilities.
- Multi-language support to ensure that authorized local staff is able to use the system
- Geofences to allow remote staff to know if a vehicle goes into unauthorized areas



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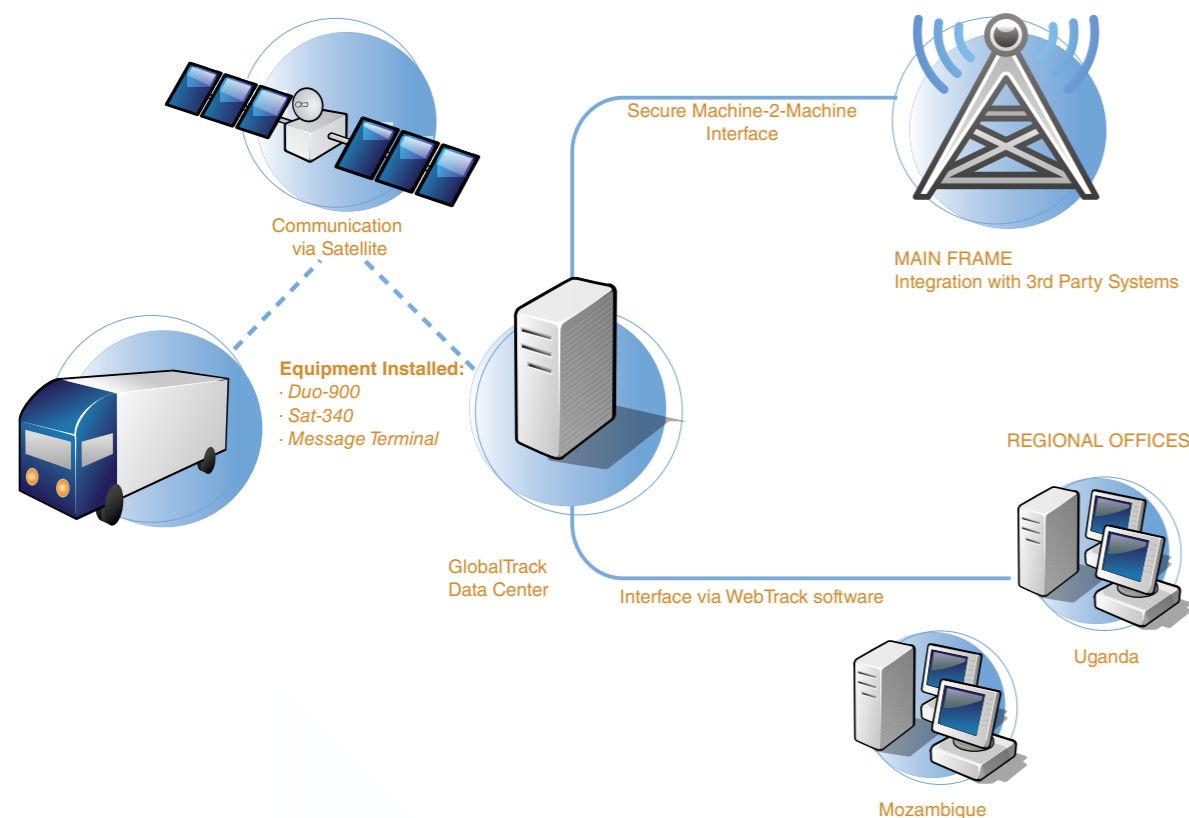
The System

The GlobalTrack system for NGO and Humanitarian applications consists of tracking devices, a reliable satellite or cellular (GPRS) communication network, a secure data center and the WebTrack fleet management software application. Tracking devices are installed on each of the mobile assets and using embedded GPS technology, can determine their position whenever they have a view of the sky. Depending on the location of the vehicles, position information is either sent to one of five communication satellites covering the whole world or through the local GPRS provider to GlobalTrack servers in the secure data center for processing.

From the GlobalTrack servers, vehicle position information can either be accessed via a secure link to GlobalTrack's asset tracking software called WebTrack or integrated directly into existing third party fleet management systems.

GlobalTrack's WebTrack provides factual information rather than estimates which improves the efficiency of your fleet, reduces operating expenses and increases security. All real-time information can instantly be accessed on-screen for immediate use and is presented on intuitive maps, overviews and graphs.

- **Detailed Asset Movement Information:** Speed, direction, distance driven, latest message received, and much more information is easily accessible with a single click on the asset's icon. Current or historic location information of any asset can be displayed on street maps, satellite images or customer-supplied maps.
- **Vehicle Status Identification:** Through easily identifiable icons, vehicle status information such as trip start, panic button pressed, or door open, is immediately identifiable on the map.
- **Perimeters and Boundaries:** Using geofences perimeters and boundaries can be setup for areas of interest. Customers can be notified when an asset enters or leaves these areas. With WebTrack, setting up geofences is as easy as drawing a square on the map and naming it.
- **Automatic Notification:** Be immediately notified via email or SMS when a specific event occurs, such as exceeding the speed limit or the use of a panic button
- **Direct Communication:** Communicate vital and status information to the driver through the Message Data Terminal
- **Asset Status and Inventory:** The asset overview page shows the entire asset list, divided into groups and subgroups enabling easy management of the whole fleet.
- **Dashboard:** Common map functions like zooming in & out, panning, and switching between street and satellite view is intuitive and easy to use with WebTrack's dashboard.



THE BENEFITS

With greater ability to manage assets, benefits to humanitarian organizations and NGOs will include:

Personnel and Fleet Safety

- Reduce accidents, increase driver safety and reduce risk and accident insurance costs by monitoring aggressive driving behavior such as speeding and use of seatbelts.
- Reduce miscommunication with drivers and enable dynamic trip routing by communicating with personnel directly via web interface.

Cost Reduction

- Reduce vehicle maintenance costs and wear on vehicles by monitoring mileage and identify unauthorized use.
- Reduce fuel costs and environmental impact by monitoring vehicles' fuel consumption and detecting fuel fraud
- Satellite coverage and optional cellular (GPRS) communication ensures the most cost effective means of communication by utilizing the cellular network in terrestrial areas and satellite networks while operating outside cellular coverage areas ensuring full global coverage while keeping cost low.

Fleet Management

- Reduce overheads by using accurate asset register which is accessible only to authorized users.
- Reduce time spent looking for assets with accurate account of all vehicle locations.
- Reduce overheads by tracking monthly mileage and corroboration of logbook entries.
- Increase effectiveness of fleet and reduce fleet sizes by using centralized fleet data for trip scheduling, and capacity planning.
- Eliminate manual vehicle maintenance tracking by using manual and automatic notification on upcoming maintenance tasks for each vehicle.
- Increase effective vehicle life span by redistribution of assets to achieve common utilization and residual values over economical lifecycle.

Features

The need for effective, reliable satellite tracking systems is becoming a necessity rather than a luxury in today's world. However operating in harsh difficult environments requires specialized solutions. Solutions GlobalTrack has developed during years of experience operating in just such environments.

GlobalTrack's solutions and services are used to:

- Have safer, more accountable drivers
- Reduction of operating costs
- Reduced fleet sizes that impact on available cash flows
- Reduced insurance risk & premiums
- Remote Management control
- Correlation of data collection ensuring data integrity
- Proactive fleet management
- Reduce & monitoring of environmental impact

