GeoATS©

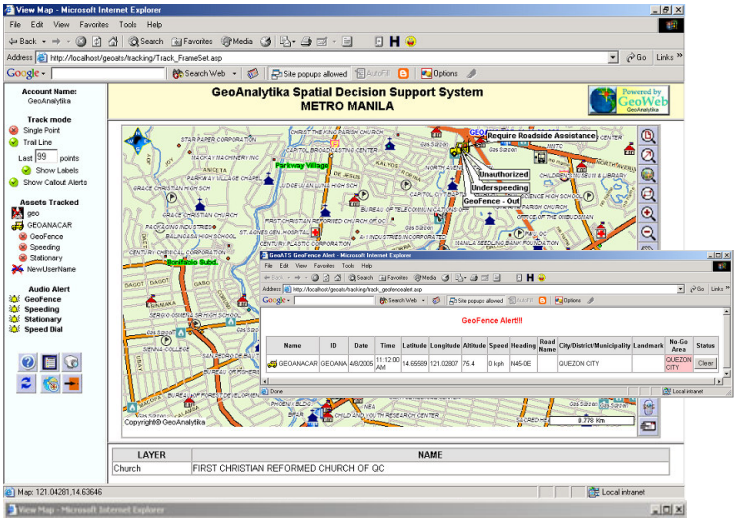
GeoAnalytika Technical and Consultancy Services
Developing Advanced Technologies for Today's Needs
www.geoanalytika.com

GPS Aided Asset Tracking and Management System

GeoATS offers an affordable and easy to use integrated solution to mobile tracking and management of assets whether they be personnel, cargo, equipment, and vehicles virtually anywhere - on land, air or sea.

You can monitor and manage these assets using a computer anywhere and anytime (even on the road) via wireless technology. Digital maps also available from us can provide a 'moving map' display of assets in near real-time, automatically. Continuous tracking of location and time for any number of mobile assets/vehicles during wireless transmission is provided.

This cost effective solution uses a customized system consisting of a GPS enabled phone or GPS mobile tracking unit (MTU), and low cost iDen/GSM technology.



Tracking and management in real-time is possible using wireless technology and the internet. Users desiring to track their mobile assets can have their own independent Tracking Base Station or can monitor them via Web.

Users can generate **profiles** of mobile asset characteristics, violations, and generate daily and monthly productivity reports. Visual and audible alerts assist in monitoring asset conditions in the field and fleet operators can react quickly and efficiently to emergency situations. The system can send automated sms/mms notification alerts to other mobile users. In addition, mobile users also track their assets at any time on their mobile phones via text location or a graphic map.

The system allows the user to record tracking information for each mobile asset. Location, speed, time, direction, violations and mobile unit id can be recorded simultaneously.

Customized systems development is also possible.

Contact us to know more about **GeoATS** and our services.

Another Quality Product
GEO ANALYTIKA
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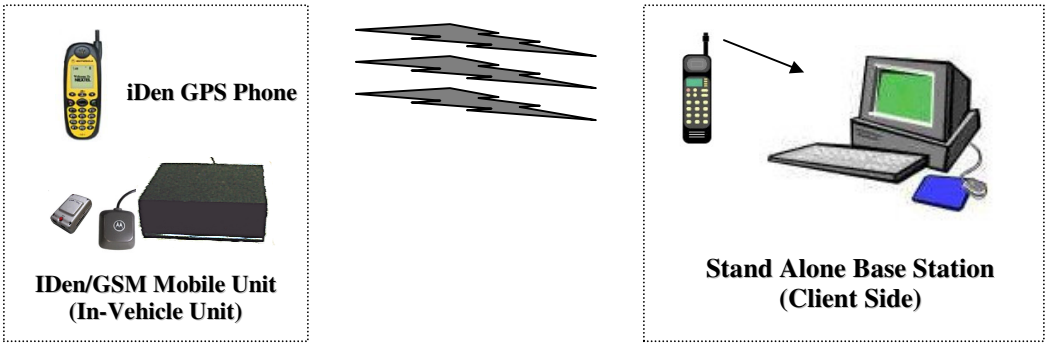
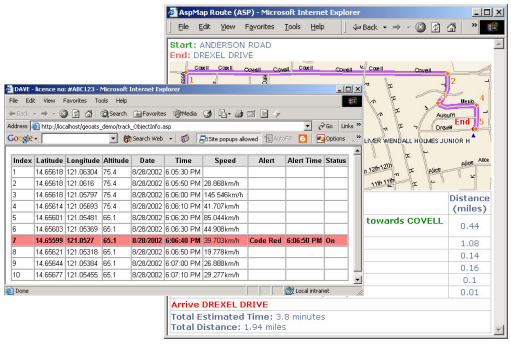
GeoATS© Salient Features

Option One



Option Two

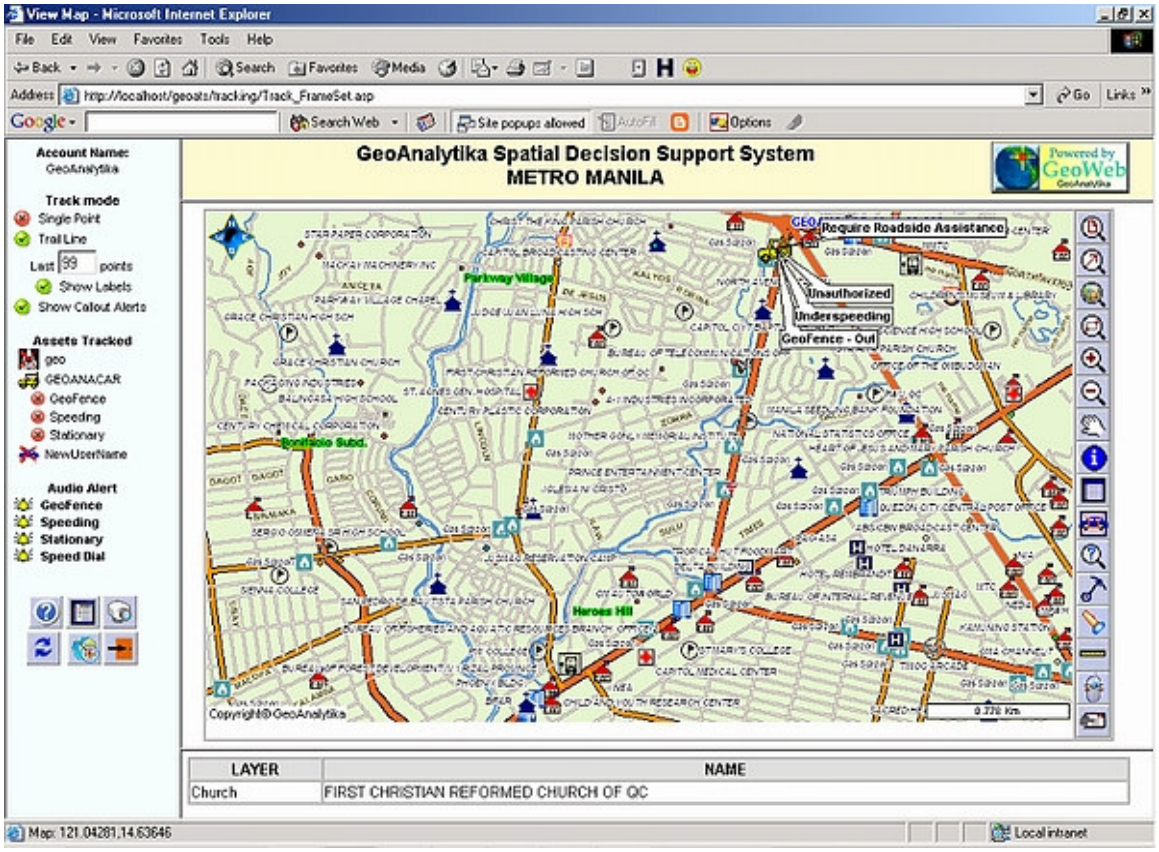
- Tracking, monitoring and management for mobile assets (cargo) and vehicles using Stand Alone Module or the Web.
- Enables private and secure log-in of users.
- Can track multiple vehicles simultaneously (limited only by hardware speed).
- Can display high detail road maps with Points-of-Interest (Landmarks) for reference.
- Point and click to display road names, landmarks, and vehicle database info.
- Mobile assets are displayed as unique graphic icons.
- Displays Alert graphic on map with sound. Alert status can be changed on-line.
- Additional features such as panic or emergency functions can be added programmatically with visual and audible alerts.
- Geofence, Stationary, Speeding and Service Alert features are available as options.
- Tracking interval can be preset from 1 min. up to a user defined interval.
- Base Tracking Station can communicate to the mobile unit or another user via voice calls, SMS or email.
- Point or Route based position display can be selected.
- Friendly Web Browser Interface.
- Time and Date Stamp on asset tracks can be displayed on-screen.
- Zoom, pan, distance measure and display vehicle info are standard features.
- List table of vehicle position, time, date, speed, direction, and alert.
- Daily Log tables can be displayed and printed for each vehicle.
- Print the history log maps and tables for reference.
- Proximity Based Queries and an Address Finder Features available
- Custom icons for POIs or landmarks can also incorporated.
- Manage Asset Scheduling and Dispatching with a Service Request Wizard
- Enables real-time point-and-click display of stored information about asset or vehicle such as vehicle driver, vehicle code number, etc. Suitable for emergency response applications.



Route Network Module Features (optional):

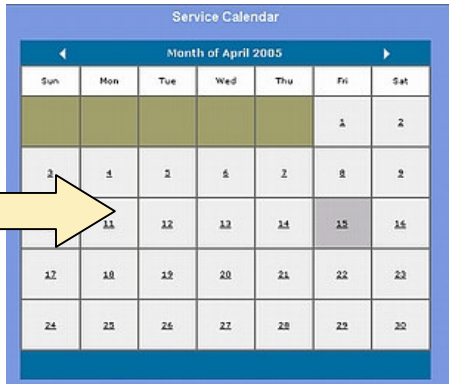
- Route/Trip Planning
- Query Road Info such as road segments and streets, turn angle, length, TOA, compass direction, road attributes, etc.
- System can store and use road data info such as:
  - Road speed/Traffic Info for different road classes or road segments
  - One-way roads
  - Closed roads

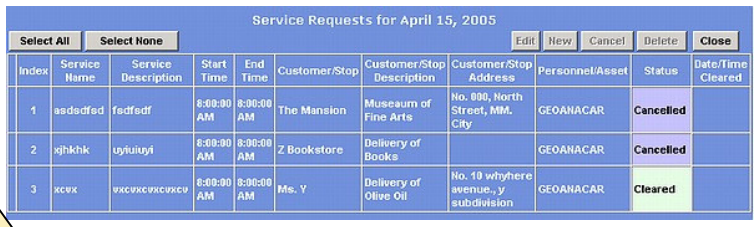
GeoATS© Applications

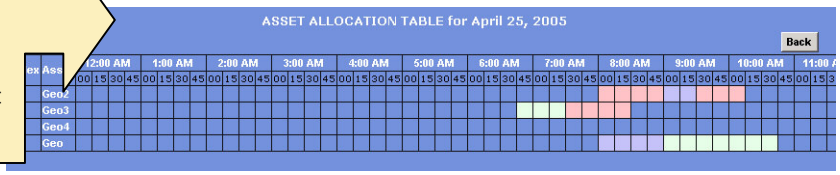


- **Planning and Management of Fleet Dispatch Operations**
- **Electronic Road Map, Guide and Atlas**
- **Nearest Friend/Landmark Finder**
- **Monitoring and Tracking Mobile Asset Status On-demand or Realtime**
- **Planner and Scheduler of Pick-up and Delivery**
- **Monitoring Customer Service Requests**
- **Navigational Aid for Dynamic Route/Trip Guidance and Roadside Assistance**
- **Travel or Route Advisory Server**
- **Emergency Operations Planning**
- **E-Yellow Pages**

The Service Request feature is used to plan, schedule and manage customer service request jobs





The Asset Allocation Table shows a chart of assets vs. allocated time (for all service requests) and the status of the service requests.

This chart is useful in determining at-a-glance unallocated times for each asset/vehicle and time windows for customer service requests and their current status.