



SMART TRACKING

Desktop Software Features

Smart Tracking is a Vehicle Tracking and Task Management solution. Visit our website www.smartracking.net for software brochure & presentation.

GENERAL APPLICATION FEATURES

Accurate and reliable tracking system
80-cm Satellite Imagery for the whole of Lebanon
Complete streets data & Points of Interest (POIs)
Secure independent database at customer site
Control Center with multi-user workstations

1. *Online tracking & Violations*
Offline tracking option
2. *Replay History*
3. *Reporting*
4. *Remote configuration*
5. *Routing*

SYSTEM FUNCTIONALITIES

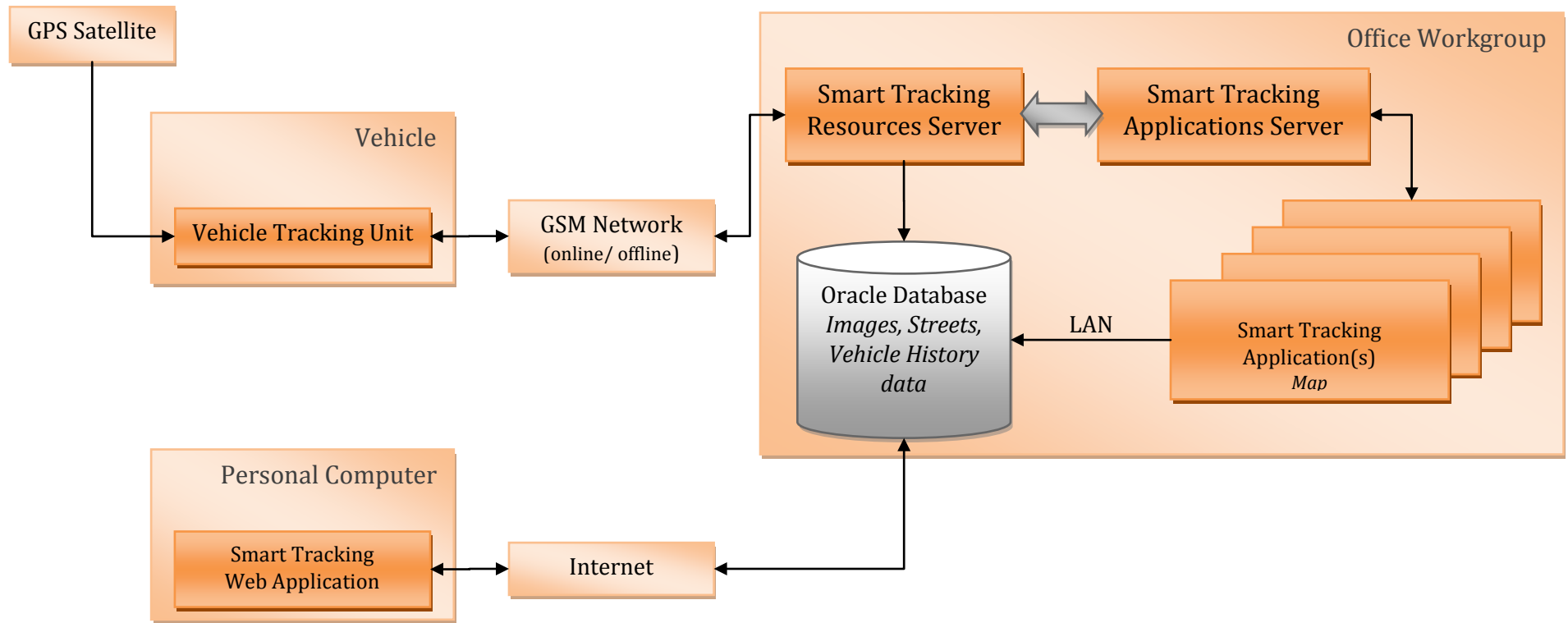
- ✓ Vehicle Tracking and Task Management Reliable Solution
- ✓ High-resolution satellite imagery in 2D and 3D views
- ✓ Multi-user multi-role interface (call takers, dispatchers and supervisors)
- ✓ Powerful search (streets, points of interest, cadastral boundaries, incidents, and resources)
- ✓ Dual Screen display capability
- ✓ Customizable map view such as filtering groups of resources of certain status or tasks to be displayed on map
- ✓ Capability to add personalized layers such as clients, facilities, etc.
- ✓ Real-time monitoring of resource status and violations (geo fencing, speed, fuel, temperature, antenna tamper, fuel tamper, stop detect, other vehicle detection sensors)
- ✓ Follow Resource feature which is effectively an automatic map panning to keep the selected resource(s) within view
- ✓ Zoned dispatching of resources to task based on task type and vicinity to task
- ✓ Best navigable route calculation between several tasks and resources
- ✓ Quickest network routing to task sites
- ✓ Replay of resource violations on map
- ✓ Playback and audit trails of all map activities including tasks and resources

- ✓ Tagged Plots of resource trails such as distance traveled, time traveled, idle time, etc.
- ✓ Remote vehicle hardware configuration to set devices remotely without the need to bring the device back to the office for adjustment
- ✓ Supervisory roles to monitor staff and report statistics
- ✓ Supervisory roles to add users, resource information, resource categories and resource types, etc.
- ✓ Various managerial reports to reflect resource activities within defined time periods
 - Trips Report: reports all the trips made by vehicle(s) during a user-defined period along with the nearest POI, Street, and Community of the starting location of each trip
 - Speed Report: generates a chart of the speed values committed by vehicle(s) over a period of time in addition to a tabular listing of each speed value and the nearest geographical information
 - Violations Report: reports all violations issued by vehicle(s)
 - Community Report: lists all the communities that were traversed by the vehicle(s) over a period of time along with the time visited and left the community
 - Summary Report: is generated for larger period of time such as a week or month for a number of vehicles to determine the accuracy of the GPS device
 - Temperature Report: generates a chart as well as a tabular grid for all temperature values reported by the device
- ✓ Auto generation and emailing of reports

NOTES

- ✓ Smart Tracking solution is a 100% locally developed software by us.
- ✓ Smart Tracking provides clients with the opportunity to test the system for weeks to confirm the reliability and accuracy of our system.
- ✓ Smart Tracking welcomes new features and suggestions recommended by our clients.
- ✓ Smart Tracking can customize to your needs.

SYSTEM ARCHITECTURE



The Vehicle Tracking Units transmit their location packets to the “Resources Server” which is listening on a fixed IP address and port. The “Resources Server” logs the data into an Oracle Database and sends the information to the “Application Server”, which in turn transmits the packets and violations to all connected Smart Tracking applications. Mainly the “Application Server” is responsible for updating all connected applications with the latest resource and task information.

SYSTEM BENEFITS

Profitability	Control speed and save fuel
	Reduce wear and tear on fleet maintenance
	Eliminate excessive idle time
	Verify actual working hours
	Minimize unauthorized use and after-hours use of company assets
	Use fewer vehicles to do equal or more work
	Review route & stops made
	Reduce accidents by controlling driving behaviors
Safety & Security	Locate and recover stolen vehicles
	Locate broken-down vehicle
	Direct assistance to a distressed driver
	Detect vehicle options (seatbelt not worn, etc.)
Improve Customer Service	Accurately predict arrival times
	Faster pickups and deliveries (dispatch closest vehicle, no time lost)
	Reduce driver lateness
	Increase sales productivity by serving more customers in less time
Driver/Employee Management	Assist lost drivers (calculating best routes to destination)
	Reduce stress on dispatch personnel
	Visual route efficiency