

Active RFID Personnel & Assets Security Tracking System

GSentry™ is GT&T's integrated security track-and-trace solution scalable to support tens of thousands people and assets within a confined location. The system can be deployed in an office environment, a manufacturing shop floor, an inventory warehouse - in fact, any environment that needs to be monitored for control and security purposes.



The infrastructure is comprised of cost-effective, easy to deploy RFID modules that function using an unobtrusive, low-power radio frequency. Real-time track and trace of personnel and assets can be easily realized with this system.

Key Benefits

This in-house personnel and asset security tracking system yields long-term benefits that flow down from the top management to operation workers within the company.

For the Top Management

GSentry™ safeguards the company's personnel and assets, thereby limiting the companies' exposure to business discontinuity, reducing capital and insurance costs.

For the Security Team

- GSentry™ increases coverage efficiency without increasing security staff requirements.
- Geo-fencing maps virtual out-of-bound areas for each visitor's profile, reducing security personnel workload and increasing compound coverage.
- With a global view of personnel and assets, the team will be able to respond instantly during any crisis situation.

For the IT Team

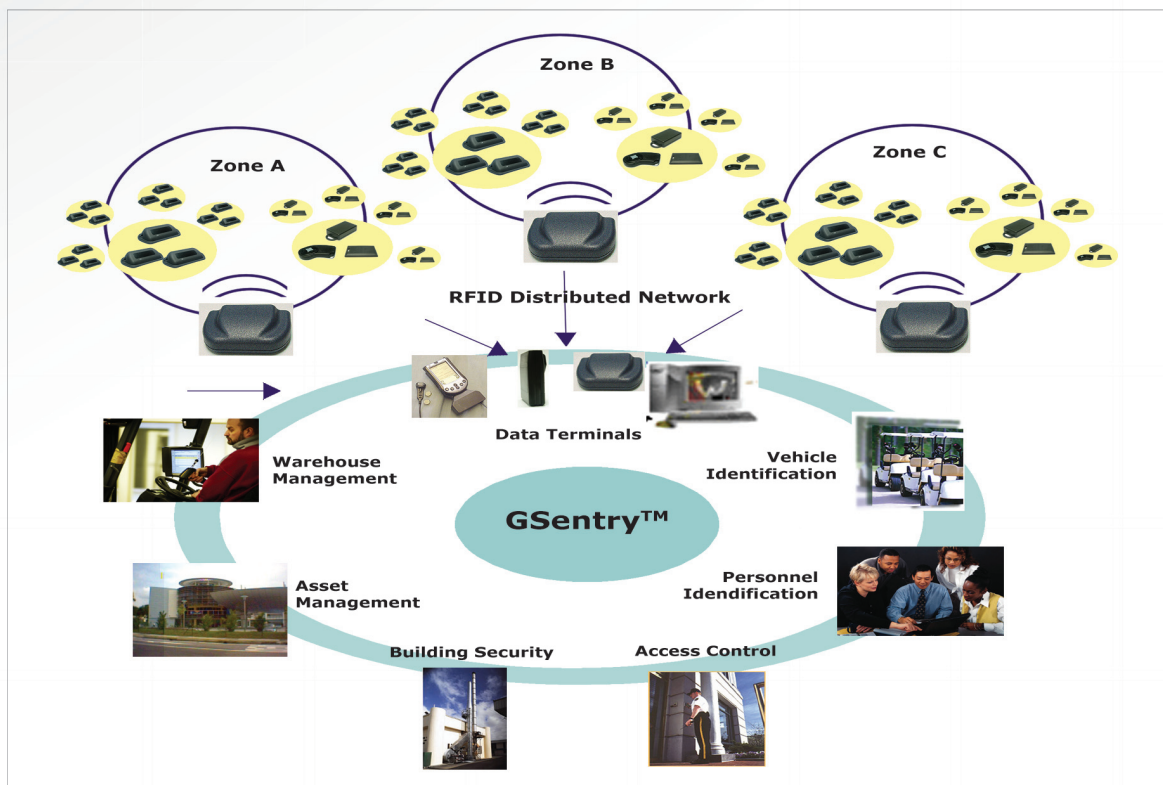
The high-tech infrastructure can be further utilized and interfaced for streamlining of operation, leading to cost reduction, workload reduction and increased productivity.

For Human Resources

The data collected from GSentry™ can be used to plan staffing requirements. Working hours for daily rated workers and overtime claims can be monitored and collated efficiently and speedily based on actual presence at locations.

For All

Peace of mind from working in a secured environment, protected from external threats.



Active RFID Personnel & Assets Security Tracking System

Features

1. RFID based infrastructure	This low-cost and easily deployed identification module is based on unobtrusive low-power radio frequency.
2. Personnel and asset search by: ID, object name and/or description, person's name, company name, and so on.	The search features allow simple and speedy retrieval of personnel and asset information without rigid search criteria.
3. Searched results in columnar format for drill-down selection	This allows common-name people or items to be selected for drill-down view.
4. Display current location of personnel or asset selected on digital floor plan	Users can pinpoint the search target on the location map for real-time track and trace.
5. Display with time-stamp for last detected location	The display provides a movement history for person or asset for retrospective reference.
6. Location plan of all areas covered	The map view of coverage areas makes all areas visible.
7. Report on time and place of detection	This feature is for determining personnel attendance or asset presence.
8. Report on time spent by individual or asset at the various predefined zones	For conference events this report shows the popularity of each exhibition booth.
9. Geo Fencing	When visitors or unauthorized personnel breach restricted areas or when assets moved beyond controlled areas a security alert is generated.
10. Display all personnel and/or asset within a specific zone	This caters to emergency evacuation situations, identifying objects and people within the affected areas immediately.
11. Contact Tracing	This provides an instant report of personnel's contact with one another in a specified time frame.

Planned Enhancements

1. Automated Access Control*	The system will interface with door access mechanisms based on the authorization of the RFID carrier.
2. RFID tag can be used as part of the N-factor authentication for system access*	The user achieves superior access control for sensitive IT infrastructures using more than simple user-ID and password combinations.
3. Route and Schedule Adherence (RSA)	RSA replaces the traditional manual method of logbook entry for securing patrol.
4. High-value asset tracking	Alerts are generated when tagged company assets such as notebook computers and projectors approach or exit prescribed zones, preventing pilferage and theft.
5. System Interface with existing human resources or legacy asset management systems*	Reduces data redundancy and IT work load.
6. Reader network supports multiple classes of RFID	Existing RFID tags can be integrated into GSentry™.

* These components require software customization to interface with local systems.