

REAL TIME ASSET MANAGEMENT SOLUTION

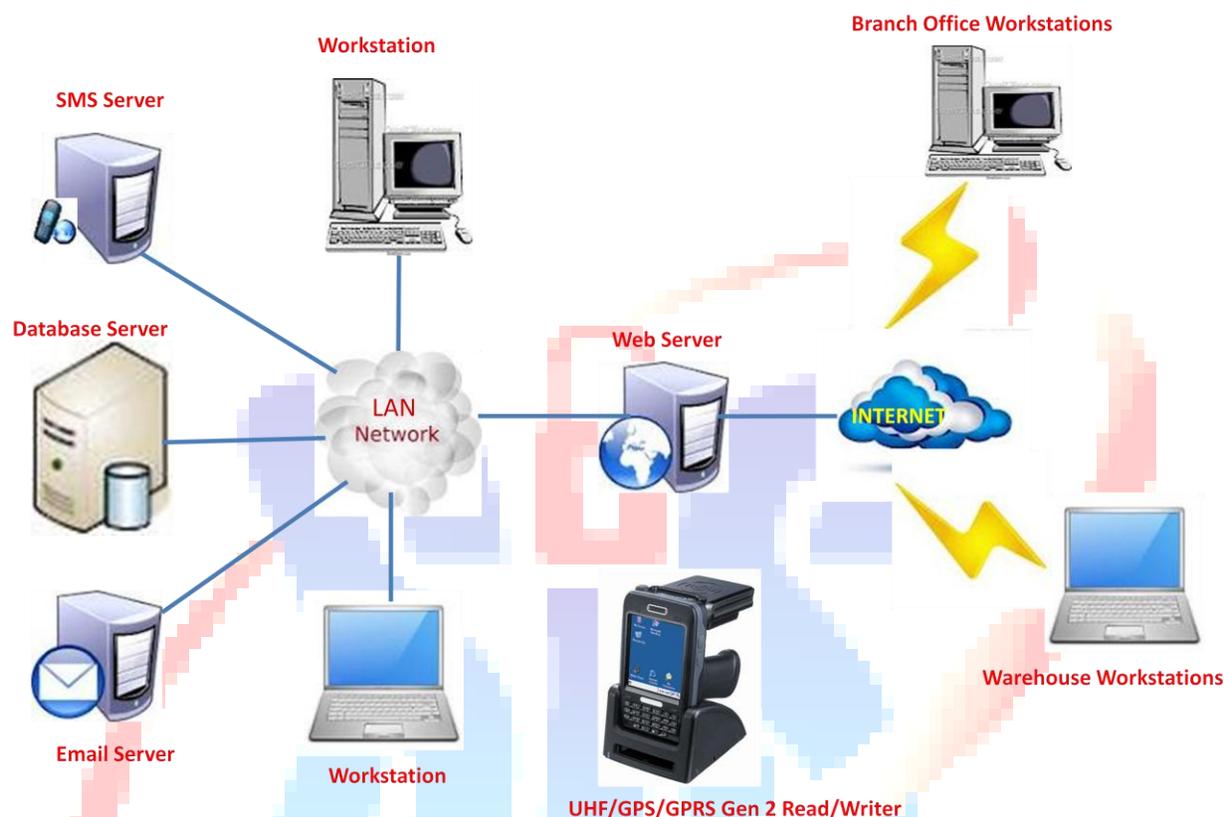
Our modern web-based Asset/Inventory Management solution is an Automated Asset Register for Tracking and Tracing of Assets, and Inventory Management using Wireless (Wi-Fi) and Radio Frequency Identification (RFID) technologies. RFID-based asset/inventory management is a highly intelligent, wireless, modular and automated business processes solution that efficiently manages and supports simple and complex supply chain networks for enterprise asset management. Acquiring RFID technology in your organisation will allow you to keep track of your asset/inventory in real time as they circulate during their normal life cycle.

Smartech Asset Manager (SAM) is designed to control and manage mobile and fixed assets within or at various remote locations centrally; what assets you have, where they are, who uses them, all costs associated to the items and any assets information that you may require. It includes professional asset reports, alerts/SMS, email messages and the ability to search and view data using the web from anywhere you are. Fixed asset tracking allows you to prepare and present accurate asset reports in real time. With a quick search of the system database, using desktop client/server software or via your web browser, you will be able to find the information you need and create a report. It's that easy!

Our solution allows users to instantly determine the general location of tagged assets anywhere within or outside a facility. Installation of "control point" detection zones at strategic locations throughout the facility allows the user to define logical zones and monitor high traffic areas and equally reduces/eliminates incidence of theft and unauthorised issuance or access to inventory. Tagged assets moving through these control points provide instant location data.

Unlike the older technology that uses barcode only, rather than walking through the office reading serial numbers on every piece of equipment, and then checking the collected numbers against those listed on a spreadsheet or asset register, staff members can now carry a handheld reader through the office. In each area of the office or warehouse, they can input that area's identity, which enables them to read all tags within the vicinity over any distance and all the assets information displayed on the PDA (Personal Digital Assistant) screen. Until now, locating or tracking static or in-motion assets in a facility was no easy task.

RFID-based asset management systems are used to manage inventory of fixed and movable assets that can be tagged. Asset management systems using RFID technology offer significant advantages over paper-based or bar code systems, including the ability to read the identifiers of multiple items nearly simultaneously without optical line of sight or physical contact. These features increase the speed of common asset management tasks, which improves operational efficiency and effectiveness.



The implementation of RFID-based asset/inventory management will provide new savings and greater efficiency in your operations; it gives you 100% inventory accuracy and real-time asset status/reports. It protects your high value items that are particularly at risk from the likelihood of deliberate and intentional theft that is very difficult to track and trace. In summary, Smartech Asset Manager (SAM) gives you the following benefits:

- ❖ Decrease labour cost of performing inventories.
- ❖ 100% accuracy of inventories.
- ❖ Ensure departmental responsibility.
- ❖ Check assets in and out.
- ❖ Simplify and speed up asset location or custodian changes.
- ❖ Perform accurate and quick spot inventories.
- ❖ Provide up-to-date snapshots on the status of your fixed assets.
- ❖ Track transaction history and audit trail associated with each asset.
- ❖ Provide standard reports as well as specific reporting requests.

ASSET TRACKING

Tracking applications are used to identify the location of an item, or more accurately, the location of the last reader that detected the presence of the tag associated with the item. Many tracking applications are part of an asset management system. One difference between relatively simple asset management systems and tracking systems is that an asset management system can detect the presence of an item with readers at a single location. In contrast, tracking systems require more than one reader, as well as a network, so that a central system can aggregate and correlate information received from each of the readers.

In logistics and transportation operations, equipment and supplies are transported over long distances. The Location, status and condition data of assets in transit (i.e. shipping containers, vehicles) can boost operational efficiency and drive profitability in logistics environments indoors or outdoors, including yards, parking lots, transportation hubs, warehouses and distribution centres. We offer solutions that enable logistics and transportation operations to monitor the movement of their vehicles from point of departure to destination point by combining various sources of location, status and condition data – including Active RFID, Passive RFID, GPS, and advanced sensors – over standard Wi-Fi networks in real time. Our RFID-based asset tracking system can equally help to control diversion or pilferage of product such as petrol by the petrol tanker drivers by transmitting the status and GPS coordinates of an RFID sealed tank to back-end software.