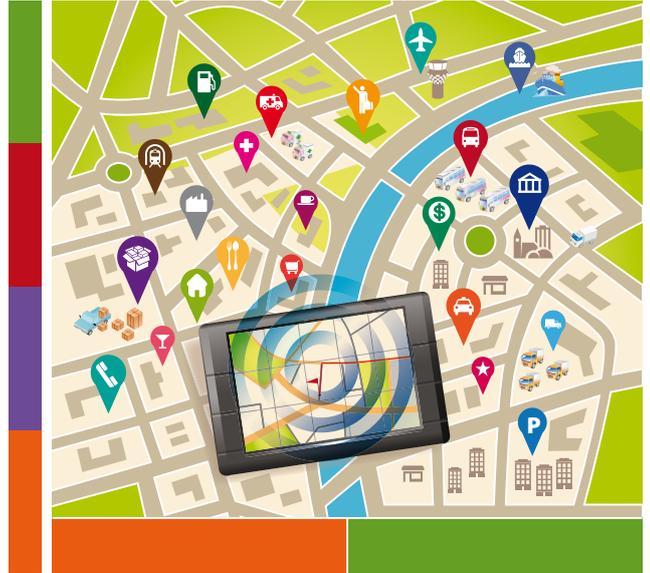


# Location Based Services

Reliable Tracking of Assets



In today's world, identification of the location of a person or an object is no longer a tough chore. Assets or objects tagged with identification tools can easily be traced and tracked through information that is transmitted to the backend to facilitate control and decision-making. NCS's Location-Based Services (LBS) enable enterprises to track and manage their assets anywhere in the world through the use of a combination of various communication standards and technologies such as Global Positioning System (GPS), Radio Frequency Identification Tag (RFID), Wi-Fi and G-Sensor detection. Data collected can be accessed from a dashboard or on a mobile platform for monitoring and reporting purposes.

LBS provides companies with a world of possibilities. Logistics companies can easily coordinate routing and re-routing of shipments, manage schedule and maximize fuel efficiency by tracking vehicle location, speed and driving pattern. Retailers and manufacturing companies also rely on LBS to improve surveillance and manage their inventory level, which will in turn improve operations flow and bottom line. Healthcare providers use the meaningful information collected to enhance patient care by tracking the location of their patients.

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## CHALLENGES

- No visibility of asset or people location
- Inability to ascertain the quantity, condition, and maintenance of assets
- Loss of assets through negligence or theft
- Untraced violations due to lack of information
- High operating costs due to inefficient management of assets

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## SOLUTIONS

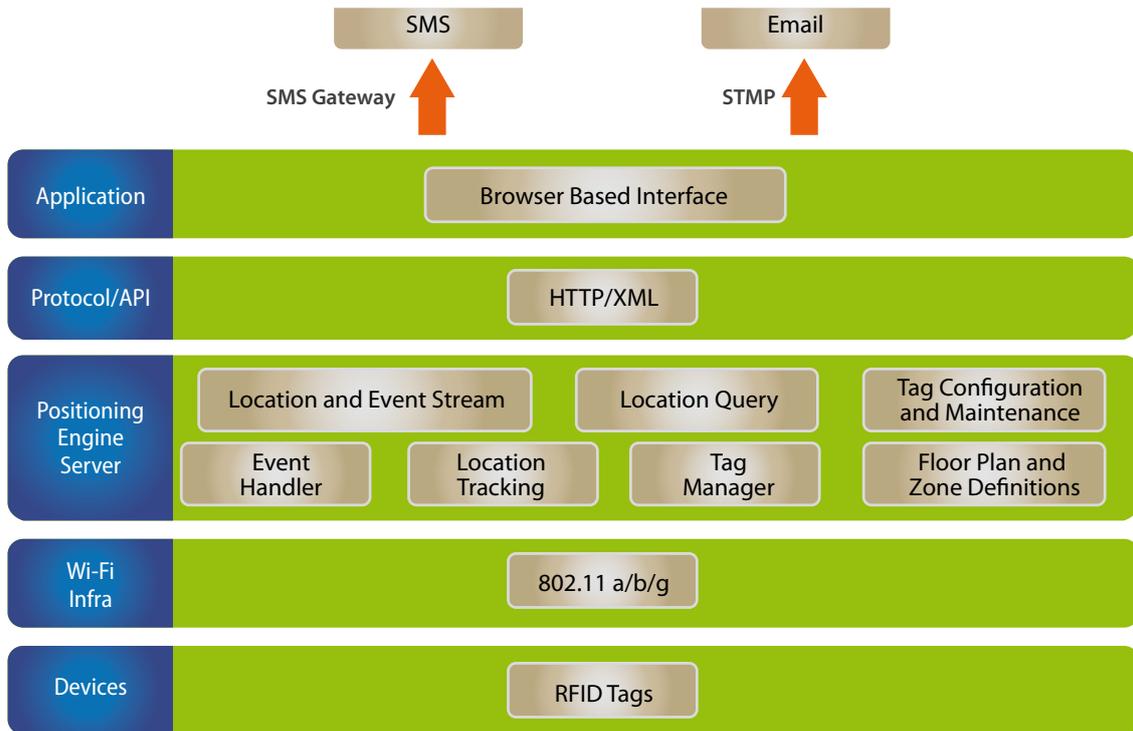
- An integrated location tracking system for effective fleet management and asset tracking

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## BENEFITS

- Improve productivity and efficiency with reliable location information of all assets
- Save time and reduce errors with real-time inventory visibility
- Deter thefts and violations with real-time monitoring
- Protect assets with mobile surveillance
- Improve customer satisfaction with value-add tracking services

# Real Asset Tracking System Overview



## Fleet Management

- Ability to identify position of vehicle and driver's pattern via integration of GPS and G-sensor technology
- Able to retrieve and store data imagery of video recordings and collate with G-sensor readings that would minimize time for corrective action
- A comprehensive and customizable dashboard view would enable upper management to make informed decisions
- Geofencing - The system can be programmed to give automatic notification if a vehicle has either entered or exited an area (Geofencing). The device can be used to create a virtual fence which will allow the unit to notify you should the vehicle go within or beyond the predetermined boundaries

## Asset Tracking

- Ability to locate assets and people using existing Wi-Fi/GPS Infrastructure
- Two-way communication capabilities and remote tag management
- Solution leverages on RSSI Data from the customers' wireless network to generate location estimates
- Unique application and algorithms that takes account of "open space" and "rails"