

## Asset Tracking

CORE LSE provides an ideal platform to continuously monitor and pro-actively manage the location, status and condition of all the healthcare assets in real-time.

The Asset Tracking solution automates the manual processes such as capital or rented equipment. It also offers an analytics engine that delivers new modes of operational rights for actioning of tasks, historical movement analysis.



## Solution Benefits

- Room-level accuracy using either CenTrak's Multi-Mode technology, Gen2IR Radio Frequency or both to future proof investment.
- Shrinkage control – Real-time asset visibility helps you manage asset quantity and reduce new purchases and/or rentals which results in saving thousands of dollars.
- Reduce clinical time spent on searching for assets manually.
- Easy Integration to other inhouse applications such as ERP, CMMS, CCTV, Vocera, etc., using HL7, XML, JSON and SOAP payloads.
- Multiple combinations – One platform solution that supports many technologies: Active RFID, RAIN RFID, Bluetooth Low Energy (BLE), RTLS based on Wi-Fi.
- Unified SaaS-based architecture – Multitenant Support, Easy to use, lower costs, supports scalability and integration, analytics.

## How it works

The tags are attached to mobile equipment such as infusion pumps, defibrillators, beds, wheelchairs, telemetry devices etc. The tags communicate to the CORE LSE platform wirelessly. The platform automatically logs the data stream from these tags and computes the asset's location and status based on the information it receives.

The users can view the assets' position on the location floor through various audio-visual devices such as PCs or Mobile devices to quickly find assets and plan workflows.

The asset data based on its location and status changes, are transformed into powerful dashboards and reports for users to consume and make informed decisions.



## Solution Features



### Asset Tracking on Map

View floor maps with assets in motion, tooltips on asset icons and ability to view additional asset data details such as dwell time, last seen time, etc.



### Event and Alert Notifications

An intelligent alerting mechanism provides real-time awareness for users of the platform. Trigger configurable event types such as enter an area, exit an area, asset status, button press, battery etc.



### Reports

Configure Asset Tracking Reports within a few clicks. Schedule the reports to be emailed with customisable timelines. Export the reports in either PDF or CSV formats for further analysis.



### Management Tools

Easy to populate and store attributes of the assets including categorisation, icons, images, owners of the asset.

Define zones within the floor maps for ease of calculating asset utilisation, event alerts, movements etc.

Role-based access control model for securing various sections on the platform as well as notifications.



### Analytics

Create personalised dashboards from the available widgets and share it with others.

Dashboard analysis can give rise to new insights to make better proactive and pragmatic decisions and optimise asset utilisation within the healthcare facility.

## Deployment Methods

| Technology         | Components  |
|--------------------|---|
| <b>Cisco Wi-Fi</b> | Cisco Wi-Fi compatible Asset Tags, Patient Tag, Staff Tag, Duress Tag, Temperature/Environmental Sensors.<br><br>Optional Add On: Gen2IR Infrared based exciter to provide room-level accuracy. |
| <b>Active RFID</b> | Active RFID based Asset Tags, Patient Tag, Staff Tag, Duress Tag, Temperature/Environmental Sensors, Gen 2IR Infrared Exciter for room-level accuracy.  |
| <b>BLE</b>         | BLE based Asset Tags, Patient Tag, Staff Tag, Duress Tag, Temperature/Environmental Sensors that work over BLE IoT Gateway.   |
| <b>RAIN RFID</b>   | RAIN RFID based tags to manage the inventory, consumables with RAIN RFID Gateway.   |