

Case Study

Real-Time Location System

OVERVIEW

Transform your business to a whole new level with Overdrive's Real-Time Location System. An innovative tool to monitor the location and movement of assets, and vehicles within a premise, granting you wider coverage of your entire operation.

Current Challenges

Most government agencies handling multiple sectors are faced with the challenge of managing their entire operation.

With assets and vehicles constantly moving in and out of their facilities and with numerous assets positioned indoors, manually keeping track of their location and status can be a tedious task.

While having a simple GPS Tracking System may seem to be sufficient, it may not be ideal when asset tracking calls for a more complex indoor monitoring or even a wider coverage for places with no GPS network.

OUR SOLUTION

Overdrive's RTLS is a power-packed solution that remotely tracks the status and movement of your assets, employees and vehicles within facilities.

The system offers a variety of sensors and devices that gives you full coverage of your entire business even in areas where GPS is not available.

BENEFITS

The functions of RTLS offer immense value and empower businesses with increased visibility and reliable data to make better-informed decisions.

1. Greater Data Coverage

Provides real-time location of assets and vehicles indoors or even in areas with no GPS connectivity.

2. Transparency and Accuracy

Gives precise data on your entire operation, tracks your assets at all times.

3. Improve Efficiency

Increase productivity and maximize resources for an optimum business performance

4. Enhance Safety

Safeguard staff and assets, reducing potential threats and incidents.

5. Save Money

Offers low cost of implementation and long-term returns

Real-Time Location System provides unlimited possibilities that can vary from one setup to another.

Whether you are running a production facility or required to monitor assets within a premise, RTLS gets the job done - granting you full visibility over your assets and vehicles



THE TECHNOLOGY



Walls, ceilings and other covered areas can absorb satellite signals, making it hard for GPS technology to work indoors. With Overdrive's Real-Time Location System, we are able to track assets within premises.

How it Works

1. Bluetooth beacons are tagged in strategic locations inside the facility.
2. Assets are installed with Overdrive's GPS trackers that act as a gateway as well.
3. The gateway listens to the broadcasted signals made by beacons and sends location data to Overdrive's platform.
4. Once data is received, personels can track where the assets were placed, at which slot area and if it is going out of the facility.
5. When the assets are outdoors, the GPS trackers will provide location data based on GPS networks.

BLUETOOTH BEACONS

Among the variety of sensors available, BLE Beacon has proven to be exceptional because of its practicality and ultra-low power qualities. Beacons are small transmitters that send accurate data from a distance of up to 50m to any smart device. Best of all, it's battery-operated which can last up to 2-3 years.



RESULT

Overdrive grants the ability to have full visibility on your assets wherever they may be.

With the use of Real-Time Location System, businesses can now monitor their entire assets in real-time, providing them a clear overview of their asset location and status even in areas with zero GPS network. We enable our clients to capture precise location data by knowing which assets are stationed at specific slot areas as well as monitoring their assets when they are on the go.

As a result, Overdrive's RTLS provided end-to-end coverage of their entire operation, shedding light on indoor blind spots and enhancing asset safety outdoors.