



Case Study

MBS Indoor Asset Tracking and Health Monitoring

INDUSTRY: THERMAL POWER PLANTS/
LOGISTICS & WAREHOUSING/
MANUFACTURERS



BRIEF:

An Indian electricity generation and the sole distribution company serving 567 square kilometres (219 sq. m.) of area decided to incorporate an Indoor Asset Tracking and Health Monitoring System for its Thermal Power Plant with a primary objective of secured, remote monitoring 24*7.

CHALLENGES:



Time-consuming Manual Asset Search.



Theft / Inventory misplacement.



Worker Safety from Risky Zones to humans.



Lack of transparency in Supply Chain.



Damage of goods due to environmental conditions.



Manual inventory management subject to human errors.



Difficult, Time-consuming integration of wired tracking devices and sensors.

SOLUTION:

Our highly customisable, energy efficient, **MBS _Indoor System** includes:

- Critical Asset Tracking System throughout the Plant/Warehouse/Unit.
- Critical Machinery and Equipment Health Monitoring and Predictive Maintenance System.
- Worker Safety Management System.



- ✓ Bluetooth LE Beacons, Gateway, Sensors
- ✓ Automated Alerts
- ✓ Indoor Safety and Security



- ✓ Tamper Alerts
- ✓ User-friendly Interactive Mapping



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- ✓ On Demand Customisations
- ✓ Dedicated Surveillance, AI Analytics and Support Team

FEATURES:

- **Bluetooth LE Beacons, Gateway, Sensors:** Several of our devices combine Real Time Location Tracking and Bluetooth Low Energy to not only track the location of your assets but also report on nearby Bluetooth tags and sensors to gather critical data from machinery components and other onboard assets. Integrate a range of sensors condition monitoring such as temperature, CO2 emission, engine speed, RPM, and more.
- **Automated Alerts:** Real time notification for vital operational information like movement and emergency alerts for critical situations such as Theft, Geofencing of hazardous areas, unauthorised movement, over-speeding, harsh driving, driver identification reminds, and more.

- **Indoor Safety and Security:** Create situational awareness with precise indoor positioning and wireless device detection and make informed decisions around security, risk mitigation and public safety.

- **Tamper Alerts:** Configure instant alerts if the device is removed from your asset.

- **User-friendly Interactive Mapping:** Our vector-based maps can be broken down into multiple layers and objects that can be associated with external data sources, and used to provide a fluid user experience. Create customized experiences for different users by building permission-based profiles.

- **Dedicated Surveillance, AI Analytics and Support Team:** To closely monitor, analyse and detect potential bottlenecks in the Supply Chain and propose solutions to resolve them.

- **On Demand Customisations:** To incorporate different sensors as per requirement. Our system or devices can be easily integrated with pre-installed ERP, CRM Softwares, etc.

WHAT MAKES OUR SOLUTION UNIQUE?



Made in India!



Instant Plug & Play, Wireless, Battery-Powered devices.



Seamless On-Demand Sensor Integration.



Low Power, Deploy Once Design.



One of a kind Mesh Network of BLE Beacons, Sensors and Gateway



Technology Agnostic Solution



Adaptive Movement based analytics and periodic reporting



365*24*7 On demand, Remote Surveillance Team

BENEFITS:

- Quick search for machinery, people and equipment.
- Ensure on-time Product Availability.
- Reduce damaged goods with condition monitoring.
- Enhance safety and prevent costly incidents.
- Reduce device integration time to minutes.
- Prevent Unplanned Breakdowns.
- Improve efficiency and Streamline workflows.
- Remote Supply Chain visibility.

