



## MIMOS Location Intelligence Platform (Mi-LIP)

The emergence of GPS technology has paved way for location tracking applications such as fleet and mobile workforce tracking systems. However, such applications are not available indoor due to poor or absence of GPS signals. There is a growing need to track both human or objects location in the indoor environment for security or safety reason. In many cases, tracking of personnel and asset significantly improves work efficiency. MIMOS Mi-LIP not only provides a system for real-time location tracking, it also derives valuable insights and intelligence from the location data collected.

### Overview

MIMOS Location Intelligence Platform (Mi-LIP) provides real-time human and object location tracking and intelligent applications. Unlike conventional location analytics platform, Mi-LIP also facilitates location tracking in the indoor environment where GPS signal is not reliable or available. For building operators, it enables continuous tracking visitors' whereabouts to ensure security and safety are preserved. For manufacturing or healthcare industries, it enables critical resources such as human, asset and process to be tracked and optimised.

### Features

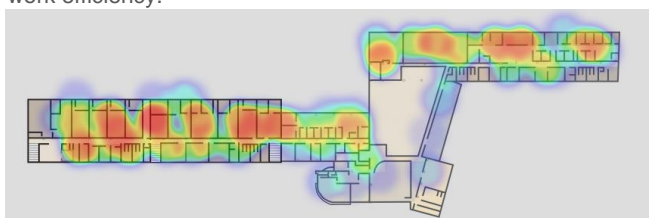
Mi-LIP provides the following features:

- **Real-time Positioning and Tracking**  
A web-based dashboard to visualise human or object's current location in real-time. The accuracy and frequency of location update depends on the underlying technology used. Unlike conventional RFID system, Mi-LIP provides active and ubiquitous tracking.
- **Virtual Zone or Station Configuration**  
Offers quick and dynamic configuration of virtual zone with customisation shapes.
- **Cycles Configuration**  
Enables quick and dynamic setup of work cycles.
- **Event or Alarm Management**  
Real-time notification and alarm handling in the event of zone enter or exit, upon completion of the work cycle.
- **Tag Management**  
Easy and intuitive tag management function such as tag-person/object binding, tag status monitoring and more.

### Technology Benefits

The ability to track human personnel, assets or any mobile resources in real-time enhances:

- **Security and Safety**  
Prevents visitors to enter unauthorised area. Ensures visitor or staff does not enter dangerous areas. Immediate localisation of critical human or asset in times of emergency.
- **Human or Asset Tracking**  
Enables critical human or asset to be located in real-time. Prevents valuable asset to leave the owner's premise. Saves valuable time of finding person or asset.
- **Intelligent Location Analytics**  
From the location data collection, the user can perform intelligent location analytics to gather critical insights to improve work efficiency.



Mi-LIP indoor location visualisation (web dashboard)

### Technology Summary

#### Mi-LIP

An innovative system that enables real-time indoor location tracking and location intelligence analytics.

**Industries:** Manufacturing, Healthcare, Enterprise, Government

#### Features

Mi-LIP provides:

- Real-time positioning and tracking
- Virtual zone or station configuration
- Cycles configuration
- Event or alarm management
- Tag management

#### Technology Benefits

- Security and safety
- Human or asset tracking
- Intelligent location analytics



Production WIP tracking



Building security and safety



Location intelligence or analytics

## System Requirements

| Mi-LIP (Tags and Sensors)             |                                       |
|---------------------------------------|---------------------------------------|
| Minimum Requirements                  |                                       |
| Hardware                              | BLE, UWB Tags, Sensors and Gateways   |
| Mi-LIP (Server) / Mi-MIST (Dashboard) |                                       |
| Minimum Requirements                  |                                       |
| Hardware                              | Dual-Core 2.3GHz, 16GB RAM, 500GB HDD |
| OS                                    | Ubuntu Server 14.04 LTS               |

