ANANTICS:
RFID RTLS Solution - Track and Trace Anything Anywhere

National Center for Manufacturing Sciences

PROBLEM STATEMENT

Any modern business or organization knows that they need to track assets, inventory and personnel to improve efficiency, reduce costs, and respond quickly in case of a safety concern. Manual procedure or barcode based identification and tracking process needs line-of-sight and is resources intensive, which is still prone to inaccuracies.

BENEFITS

IoT sensor embedded solutions enhance situational and environmental awareness intelligence. IoT enablement solutions reduce downtime and improve compliance.

IoT solutions enable real-time identifying, tracking & locating anything anywhere, indoor or outdoor.

TECHNOLOGY SOLUTION

Anantics bring Internet of Things (IoT) based smart solutions to uniquely identify, track and monitor assets and personnel automatically, and no line of sight is needed. Our solutions embed multiple IoT sensors, such as RFID, BLE, LoRaWAN, UWB and GPS; as per client's requirements. We are an IoT Systems Integrator and Enterprise Software Developer to provide smart Digital Twin solutions.

GRAPHIC

Passive UHF RFID
Read Range up to 30 feet to automatically track and trace any object in real-time

Active BLE & UWB
BLE tags have range up to 200 feet while UWB tags for pinpoint location accuracy

LoRaWAN & GPS
LoRaWAN's signal range is up to 2 miles in city-like area and 20 miles in open area

Software Engineering
Agile methodology driven DevSecOps by utilizing all modern technology stacks with CI/CD

Business Intelligence
Data discovery and visualization to distribute and share relevant insights

Geographic Information Systems
Leveraging geospatial data to boost productivity in custom GIS applications

Sensor Technologies — Anantics Solutions — Information Systems