Our solution helps supply chain organizations increase asset usage and reduce loss by tagging them with versatile BLE beacon tags.

A mesh of easy to deploy, cellular enabled readers detects the tags and sends data to the cloud for real time asset location calculation.

Microsoft’s Azure cloud provides a scalable, resilient, secure platform for your asset listing data and for our solution components.

Custom logic modules in the cloud determine each asset’s zone and location and prepare data for reporting and ERP integration.

Your team uses Power BI in the browser to quickly find assets they need, see missing assets and drive asset recovery from customers.

- **PALLETS**
- **TOTES**
- **CONTAINERS**
- **GLASS RACKS**
- **OTHER SUPPLY CHAIN ASSETS**

**Sensors / Connections**

- BLE BEACON TAG ON EACH ASSET COST BETWEEN $5-15 PER TAG
- SEVERAL SIZE OPTIONS AVAIL DEFAULT IS 2” X 1.5” X 1/8”
- 3-5 YEAR BATTERY LIFE DEPENDING ON TAG SIZE

**Edge Intelligence**

- UP TO 20 BLE READERS PER GATEWAY
- BLE GATEWAY ON MESH ADD GATEWAY, READER AND TAG INFO TO DATA THEN UPLOAD
- BLE READERS IN A MESH MOUNT ANYWHERE, NO SPECIAL ANY WIRING, JUST 110VAC
- 55-100M RANGE, MORE W/ BT5 (OPT)
- 20M SPREAD, 1200 SQ MTR COVERAGE

**Cloud Services**

- AZURE IOT CENTRAL WITH: DEVICE MGMT/COMMS, STREAM PROCESSING AND STORAGE
- CONTINUOUS DATA EXPORT TO BLOB STORAGE FOR COLD STORE
- AZURE SQL DATABASE FROM AZURE DATA FACTORY WITH DATA CLEANUP / FILTER LOGIC

**Cloud Intelligence**

- GATEWAY PROVISIONED BEFORE SHIPPING, READY OUT OF THE BOX
- CALCULATE CLOSEST READER BASED ON SIGNAL STRENGTH, DETERMINE ASSET LOCATION
- CLEAN UP AND PREPARE DATA FOR REPORTING
- ERP SYSTEM HOURLY JOB TO PULL ASSET ID / LOCATION DATA

**Mgmt. Experience**

- POWER BI BUILT-IN AND CUSTOM DASHBOARDS AND REPORTS
- INTEGRATED ERP REPORTS FOR ASSET LOCATION, AVAILABILITY, LOSS MGMT, ETC.
- SHIPPING ASSET MANAGER
- ASSET LOSS PREVENTION MGR
- ASSET ANALYTICS MGR
- ACCOUNTING MANAGER
- OPERATIONS MANAGER

**Mesh Systems Reference Architecture**

- Partner component
- Azure service
- Microsoft product

Our solution helps supply chain organizations increase asset usage and reduce loss by tagging them with versatile BLE beacon tags.

A mesh of easy to deploy, cellular enabled readers detects the tags and sends data to the cloud for real time asset location calculation.

Microsoft’s Azure cloud provides a scalable, resilient, secure platform for your asset listing data and for our solution components.

Custom logic modules in the cloud determine each asset’s zone and location and prepare data for reporting and ERP integration.

Your team uses Power BI in the browser to quickly find assets they need, see missing assets and drive asset recovery from customers.