Shipcom AI:
AI/ML and IOT Logistics Solutions

NCMS Technology Showcase
FRC East

PROBLEM STATEMENT

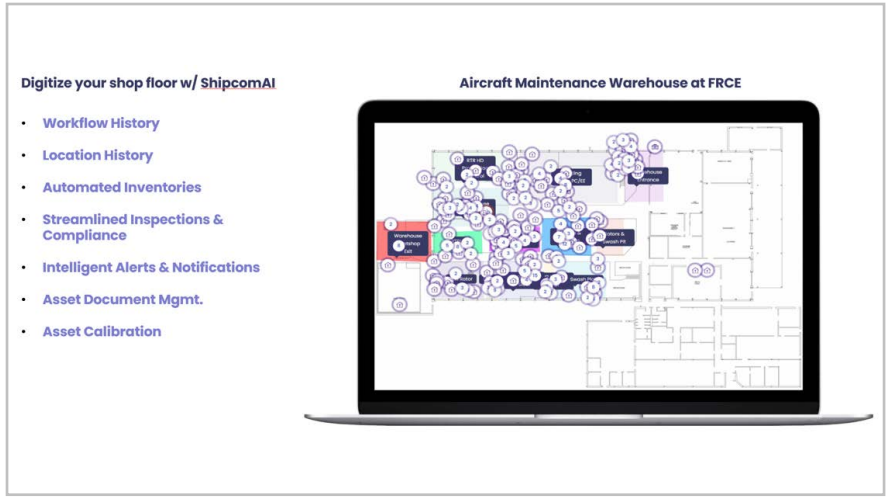
- **Excessive time needed to locate, deliver and repair assets**
- **Inefficient processes to monitor the health status of critical infrastructure**
- **Compliance requirements not being consistently met due to paper & pen methodologies**
- **Wealth of data that needs to be leveraged with AI/ML for deeper insights into MRO operations.**

BENEFITS

- **Improved Inventory Accuracy and Management:** Reduces manual errors and provides real-time visibility
- **Enhanced Operational Efficiency:** Streamlines processes, reduce the time spent on manual checks, and enable quicker locating and managing of assets.
- **Reduced Loss and Theft:** Identify and locate missing items. This reduces the costs associated with asset loss, shrinkage, and theft.
- **Cost Savings on Labor and Resources**
- **Better Data and Decision Making:** Data can be analyzed to optimize asset usage, maintenance schedules, and overall operational strategies

TECHNOLOGY SOLUTION

Blended location technologies lead to the best value proposition for different environments and use cases:

- **Passive RFID for fixed assets w/ RFC Antennas**
- **Passive Portals for presence detection w/ SensThys and Zebra portals**
- **Active RFID (Bluetooth) for moving assets w/ Quuppa locaters**
- **Fleet management w/ Orbcomm GPS devices**
- **Plug & Play IoT sensors for Facility Health Monitoring (CBM+)**

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