Case Study | Asset Management System

Enhancing Asset Management with RFID Technology

Challenges

In the previous setup, assets were moved manually, leading to challenges in accurately tracking their movements. Extensive testing was necessary to determine the optimal tag positions and types, ensuring precise asset tracking. Additionally, matching each asset with its corresponding database entry, printing RFID stickers, encoding data, and affixing tags presented significant challenges.

Key challenges included:

- Reconciliation: Ensuring accurate and up-to-date records of assets by reconciling data across various systems and sources, minimizing discrepancies, and improving financial accountability.
- Traceability: Enhancing the ability to track and trace assets throughout their lifecycle, from procurement to disposal, enabling better visibility into asset movements, usage, and maintenance history.
- Utilization: Maximizing asset utilization by monitoring usage patterns, identifying underutilized assets, optimizing asset allocation, and improving overall operational efficiency.

Background

Company faced a major challenge in managing its vast asset portfolio. Tracing and maintaining visibility of numerous assets across departments was a logistical nightmare. This lack of transparency led to issues such as: Difficulty in verifying and validating asset presence for different departments.

- Unclear ownership of assets, causing confusion and accountability gaps.
- Inefficient auditing and assessment processes hindering the selection of suitable asset management solutions.
- High risk of inaccurate data capture, potentially requiring additional personnel for data management.

Solution

Intellistride Technologies implemented a comprehensive asset management system tailored to specific needs. The solution addressed the identified challenges through the following:

Strategic Reader Placement: Fixed RFID readers were strategically positioned at entry and exit points of company premises, enabling real-time asset tracking.

Enhanced Tagging: Regular database updates with RFID EPC codes ensured easy asset identification with optimal tag selection and placement.

Streamlined Workflow: Physical asset verification became effortless with readily available location data. Continuous team consultations ensured a seamless and efficient asset management process.

Discreet Hardware: Camouflaged hardware maintained the company's visual aesthetics without compromising functionality.

Result

The implementation of Intellistride's asset management system yielded significant benefits.

Database Cleanup: The system facilitated a comprehensive database cleanup, ensuring accurate asset representation.

Improved Asset Location: Assets could be conveniently located, eliminating time wasted searching for missing equipment.

Clear Ownership Identification: Easily identifiable assets with clear ownership assignment solidified departmental accountability.

Enhanced Operational Efficiency: Streamlined asset tracking and management led to significant operational improvements.