ZEBRA

Materiel Logistics with Advanced RFID and RTLS

Zebra's advanced Radio Frequency Identification (RFID) and Real-Time Location System (RTLS) technologies are trusted by some of the largest warehouse and logistics organizations around the globe. These powerful solutions can act as key drivers in transforming the U.S. Military's approach to efficiently managing materiel logistics operations.

Common Military Challenges

- **Security:** Lost or missing inventory information and unauthorized access to data could lead to misuse, fraud, or operational disruptions.

- **Mission Readiness:** Inefficient tracking systems can lead to misplaced items, delayed shipments, and MRO bottlenecks.

- **Inventory Assurance:** The use of handwritten, manual data entry, and outdated inventory systems in warehouses and distribution centers increases the risk of errors, potentially causing stockouts, excess inventory, and difficulties in accurately fulfilling orders and MRO.

- **Regulatory and Quality Compliance:** US defense warehouses are required to follow strict regulations and quality standards, as non-compliance can lead to audit discrepancies, penalties, and risks to operational readiness.

- **Protection of Sensitive Assets:** Compromising sensitive assets could jeopardize national security, disrupt military operations, and lead to substantial financial losses.

Why Improve Your Warehouse Operations?

Security
Secure RFID and RTLS solutions provide real-time location tracking of assets such as vehicles and aircraft, the movement of pallets, and more, reducing security risks and mitigating losses through proactive monitoring and asset protection measures.

Enhanced Asset Tracking
With RFID and RTLS, defense warehouses can experience a significant reduction in inventory search time, ensuring quick access to critical assets.

Streamlined Operations
Mobile RFID readers and handheld devices improve operational efficiency by up to 30%, enabling on-the-go inventory management and reducing manual errors within warehouses and distribution centers.

Improved Inventory Accuracy
With an integrated RFID solution warehouse managers note an increase in inventory accuracy, thereby minimizing stockouts and optimizing inventory levels.

Regulatory Compliance
RFID and RTLS technology helps ensure compliance with regulations, resulting in a reduction in compliance-related issues and audit discrepancies.

Here's the Solution
Zebra's RFID and RTLS solutions empower defense warehouses and distribution centers with unparalleled precision and efficiency. By providing real-time asset tracking, Zebra solutions offer precise asset and inventory visibility, enhanced compliance efforts, and proactive security measures.

$49.5 Billion

In 2023, the Defense Logistics Agency (DLA) managed over **$49.5 billion** in contract obligations.

Source: DLA Fiscal 2023 Annual Report.

Modernizing Military Logistics: Zebra's Innovations Power Efficiency and Precision

Zebra's RFID and RTLS solutions encompass a suite of technologies tailored to address the complex needs of U.S. military logistics operations.

RFID Readers

With over 95% accuracy in data capture, fixed and mobile RFID readers provide real-time asset tracking and monitoring capabilities, enabling precise inventory visibility and minimizing the risk of inventory discrepancies.

RFID Printers

RFID printers facilitate the seamless production of high-quality RFID tags and labels, ensuring accurate identification and tracking of inventory items, thereby enhancing inventory accuracy and compliance efforts.

Tablets and Handhelds

Portable and secure tablets and handheld devices equipped with RFID capabilities empower personnel to access real-time inventory data and perform tasks efficiently, enhancing operational agility and responsiveness. Advanced security options available on some handheld devices. Tablets available in both Windows® and Andriod® operating systems.

RTLS

Real-Time Location Systems offer precise location tracking of assets, enabling proactive security measures and enhancing asset protection efforts.

Integration and Scalability

Zebra's RFID and RTLS solutions can integrate with existing ERP systems and can be scaled to accommodate the evolving needs of defense logistics networks.

By leveraging Zebra's advanced RFID and RTLS solutions, military logistics operations can effectively address challenges, achieve operational objectives, and maintain asset visibility and increased readiness to support critical missions with unparalleled security, precision and efficiency.

To learn more how Zebra can help your logistics operations achieve a performance edge, **visit zebra.com/warehouse**

30%

Mobile RFID readers and handheld devices improve operational efficiency by **up to 30%**.

Source: https://dcf.fm/blogs/vision/zbra-mission-vision.

9 Million

In FY 2023, DLA Land and Maritime's 21,000 customers submitted **9 million** orders.

Source: DLA Fiscal 2023 Annual Report.

ᗇ᛫ ZEBRA