



\$90 Billion

DOD spends **\$90 billion** a year to keep ground systems, ships, and aircraft combat-ready.

Source: U.S. Government Accountability Office, Military Readiness: Actions Needed to Further Implement Predictive Maintenance on Weapon Systems.

MRO: Fleet Maintenance Solutions

U.S. defense agencies maintain more than 230 ships and submarines, 14,800 aircraft, and over 330,000 vehicles. Technology solutions can enhance maintenance, repair, and operations (MRO) efficiency, increase compliance, and provide real-time visibility into the status of military fleets, helping to ensure mission readiness.

Common Military Challenges

- **Security:** Unauthorized access to data, aircraft, ships, and vehicles, could lead to misuse, fraud, theft, and operational disruptions.
- **Fleet Visibility:** Inadequate tracking systems fail to provide real-time data on the status and location of aircraft, ships, and vehicles, making it challenging to monitor usage patterns, schedule maintenance, and allocate resources effectively.
- **Fleet Readiness:** Inefficient parts tracking using manual processes, lead to errors, delays, and increased maintenance downtime.
- **Streamlined Documentation:** Reliance on manual documentation for maintenance records can lead to errors and incomplete data entries that hamper the ability to track maintenance schedules and activities.
- **Adherence to Operational Standards:** Compliance with complex regulatory standards requires meticulous record-keeping and adherence to specific maintenance procedures. Failure to comply can result in penalties, increased scrutiny, and operational disruptions.

Why Improve Your Warehouse Operations?



Security Measures

Increase security by implementing robust DoD APL devices to safeguard sensitive assets from theft, loss, or unauthorized base and facility access.



Enhanced Fleet Visibility

Maintain real-time visibility into the usage and whereabouts of aircraft and vehicles to optimize fleet utilization and resource allocation.



Efficient Parts Tracking

Track and document parts throughout their lifecycle, from procurement to installation and maintenance, to help ensure mission readiness.



Proof of Work Documentation:

Capture maintenance signatures and photos digitally to provide verifiable proof of work completion and adherence to maintenance protocols.



Regulatory Compliance

Help ensure compliance with regulatory requirements and quality standards for MRO to uphold safety and operational readiness.

Here's the Solution

Equipped with a complete digital solution, personnel can gain instant access to maintenance schedules, parts, and fleet usage information. With a strong preventative maintenance program, fleet management helps lower operating costs, reduce unplanned down time, and improved vehicle compliance with military requirements, helping to ensure operational readiness.

Next-Level Readiness: Zebra Solutions Elevate Maintenance and Repair Operations

Zebra's comprehensive solutions for fleet maintenance, streamline tracking and improve efficiency. Our technologies help ensure compliance, offer real-time visibility, and optimize management, resulting in increased operational readiness and minimized downtime.



Tablets and Handhelds

Durable in tough military environments with advanced connectivity, security, enterprise class scanning, and high-resolution displays. Some handhelds are available with advanced security features. Tablet models are available in both Windows® and Android® operating systems.



Printers

With 50 years of innovation our printers offer reliable and secure solutions for efficient operations. Offering DPAS labels and a wide-variety of other label types and sizes that will meet the needs of multiple military applications.



Supplies

Our material sciences experts have tested, selected and certified the highest-performing label and tag materials to assure durable print and minimal printer wear and tear for labels you can rely on.



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 loss and discrepancies.



RTLS

Real-Time Location Systems offer precise location tracking of assets within warehouses, distribution centers, and outdoors in lots, enabling proactive security measures and enhancing asset protection efforts.

With Zebra's government solutions, military fleet maintenance operations can overcome challenges, achieve operational objectives, and maintain readiness to support critical missions with precision and efficiency.

To learn more how Zebra can help your DoD operations achieve a performance edge, visit zebra.com

230
ships & submarines
14,800
aircraft
330,000
vehicles

The DoD Maintains more than 230 ships and submarines, 14,800 aircraft, and over 330,000 vehicles.

Source: Department of Defense, Rebuilding Military Readiness While Building A More Lethal Joint Force, 2020

