

# Air Force Materiel Command

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## WR-ALC Technology Needs

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# Overview

- **Supported Item Families**
- **The Air Logistics Center Vision**
- **The User Vision**
- **Top Technology Needs**
- **Summary**





# Supported Item Families

- **Aircraft (C-5, C-130, F-15, C-17, U2, etc.)**
  - Hydraulics, pneumatics, wiring, structures
  - Avionics, Comm., Nav., Situational Awareness
- **Electronic Warfare: Defensive and Jammers**
- **Ancillary: Support equipment, testers, etc.**
- **Vehicles: Forklifts, fire engines, loaders, etc.**
- **Basic Expeditionary Airfield Resources (BEAR)**





# The Air Logistics Center Vision

- **Increased Aircraft Availability**
  - Reduced Costs
  - Enhanced Competitiveness
  - Improved Systems / Processes
  - Added Core Competencies
  - Added Partnerships





# The User Vision

- **Increased Effectiveness**
  - Increased Reliability
  - Reduced Maintenance
  - Improved Safety
  - Enhanced Suitability
  - Enhanced Effectiveness



**Technology Insertion is one avenue to reach our vision!**



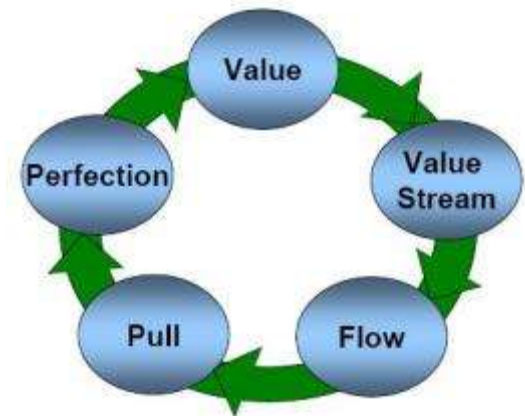
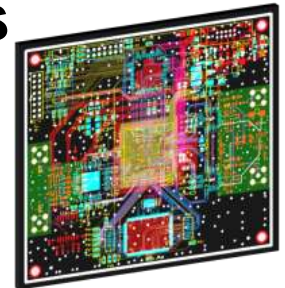
# WR-ALC Technology Insertion- Purpose

- **Strategic Drivers**

- AFSO 21, E-Log 21, AFMC Balanced Scorecard, Customer Needs

- **Strategic Thrusts**

- Improve sustainability of existing systems
- Influence sustainability of new systems
- Improve inspection, fault detection, diagnostics, and prognostics
- Apply advanced practices for our processes
- Expand alternative energy use
- Reduce impact to the environment





# Partnerships

- **Benefits**
  - Reduced development and operations costs for industry
  - Improved technology and capability for Government
  - Improved responsiveness to the warfighter
- **WR-ALC partnership efforts**
  - Use government sponsored development efforts
  - Increase maintenance partnerships
  - Foster performance based logistics solutions

**Actively seeking other opportunities**



# Summary

- **Air Logistics Centers are much more than depots**
- **ALCs require not only technology, but also process solutions**
- **Leading overarching WR-ALC needs include**
  - **Continuous Condition Monitoring**
  - **Maintenance Acceleration (Cost Reduction)**
  - **Improved Reliability (Cost Reduction)**
  - **Improved Agile Combat Systems support**
  - **Energy and Environment**

**WR-ALC – Looking to the future!**



•Back Up

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# **WR-ALC Technology Insertion – Top Needs**

