

# *Warner Robins Air Logistics Center*

WARNER ROBINS AIR LOGISTICS CENTER



## *Strategic Technology Plan*

**Mr. Michael Hatcher**  
**Director of Engineering**  
**8 November 2005**



# Overview



WARNER ROBINS AIR LOGISTICS CENTER

- **WR-ALC FY06 Goal**
- **The Environment**
- **The Vision**
- **Technology Plan**
- **WR-ALC Top Technology Needs**
- **How to Engage the Government**



# WR-ALC FY06 Goal



WARNER ROBINS AIR LOGISTICS CENTER

- Become a leader of the world's most respected air and space force by exceeding customer expectations for our outputs and creating an Air Force culture through our entire workforce by:
  - Objective #1: Create an ALC normalized within the Air Force culture ...
  - **Objective # 2: Deliver & Sustain High-Performing Capabilities On Time, On Cost**
  - Objective # 3: Creating and Sustaining a Healthy, Fit, Ready Workforce...



# *The Environment*



WARNER ROBINS AIR LOGISTICS CENTER

## ➤ Aging Depot and Weapon Systems Need Modernization

- Aging Infrastructure
- Service Life Issues
  - Aircraft
  - Aging Weapon Systems / Subsystems
  - DMSMS & Obsolescence
- Multiple Technology Insertion Programs
- Costs Increasing, Funding Steady
- Operations Tempo Accelerating Problems, Shortages



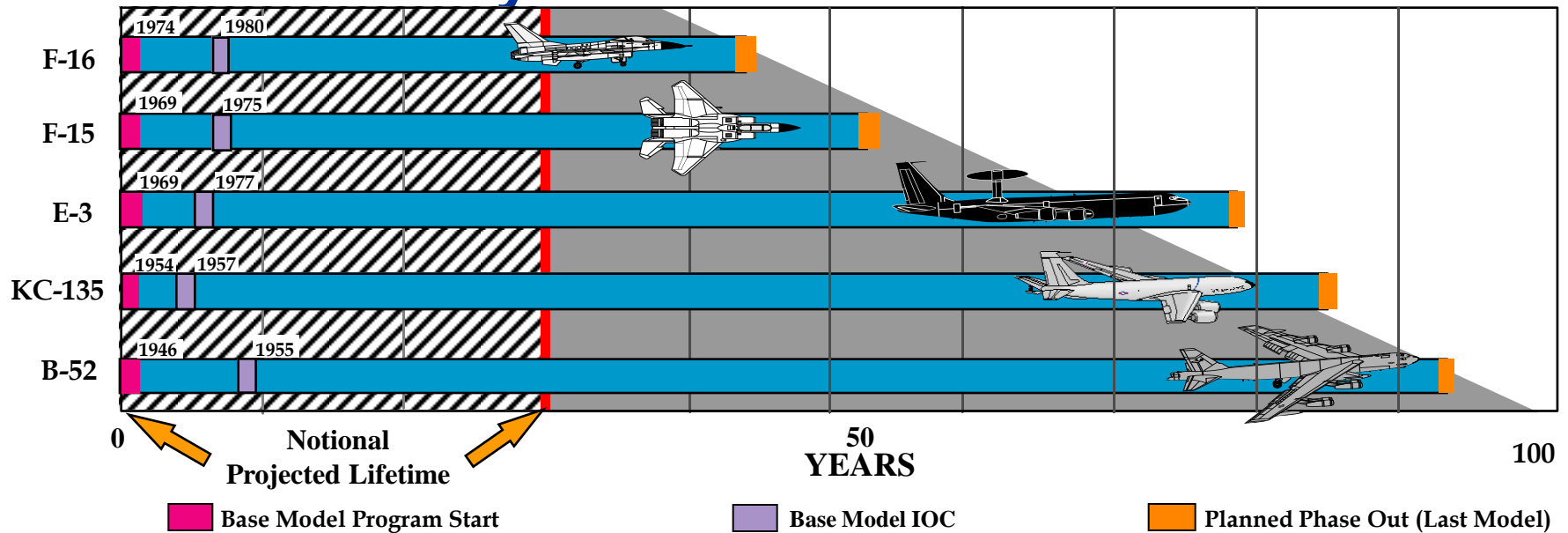


# The Environment



WARNER ROBINS AIR LOGISTICS CENTER

## Aircraft Life Cycles



## Electronics Obsolescence





# The Vision



WARNER ROBINS AIR LOGISTICS CENTER

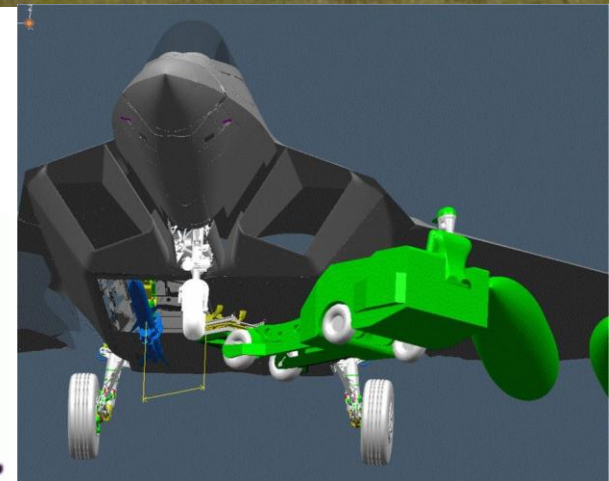
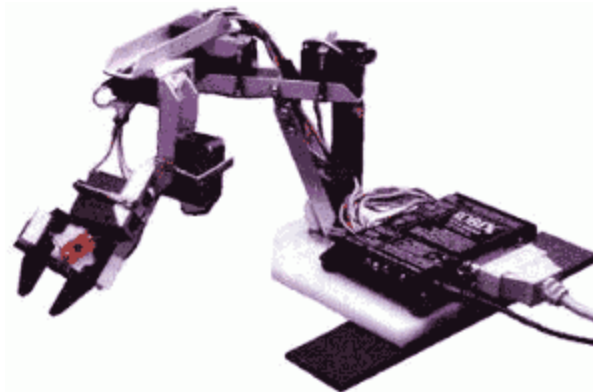
## ➤ Increased Capability

- Enhanced Competitiveness
- Improved Systems / Processes
- New Core Competencies
- Increase Aircraft Availability



## ➤ Drivers

- Safety
- Productivity
- Costs
- Environmental





# ***Strategic Technology Plan (STP)***



WARNER ROBINS AIR LOGISTICS CENTER

- **Coordinate All Technology Needs Across Center**
  
- **Verify Input Alignment**
  - **With USAF Plans and Capabilities**
  - **With Center Goals**
- **Analyze the Cost and Performance Drivers**
  
- **Match Needs to AFRL and Other Technology Developers**
  
- **Secure Funding**
  
- **Track/Sponsor Implementation**
  
- **Governed by Technology Steering Group & Operating Instruction**



# Schedule



WARNER ROBINS AIR LOGISTICS CENTER

- **Kick-off: January 05**
  
- **STP, v 1.0 Completion: June 05**
  
- **Top Center Needs Determination: October 05**
  - **Feed into**
    - **Requirements Symposium: November 05**
  
    - **White Papers on Tech Needs: 14 January 06**
  
- **Engage AFRL on Top Needs**
  
- **STP, v 2.0: ~January 06**



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



**WARNER ROBINS AIR LOGISTICS CENTER**

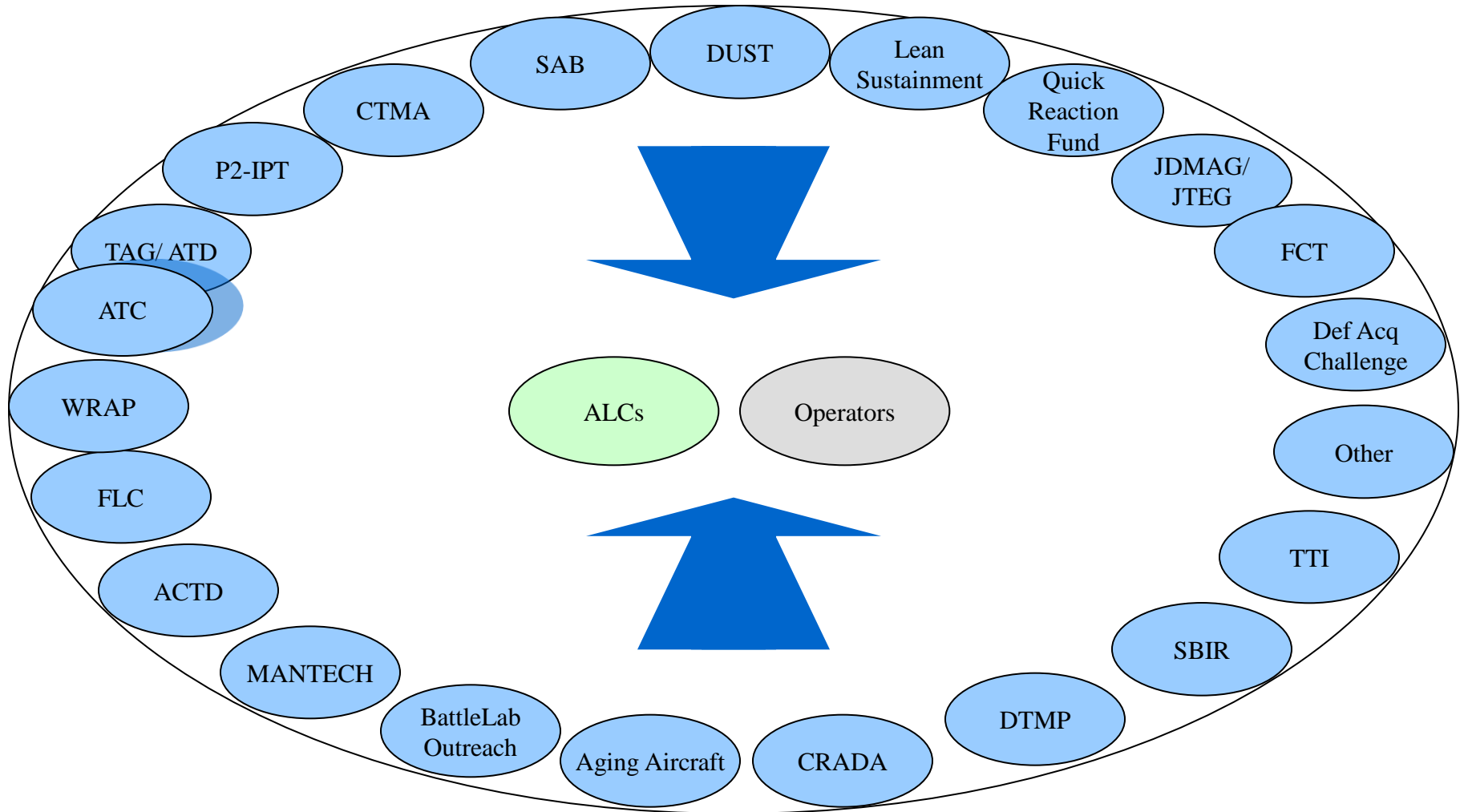
- **Crack and Corrosion Detection**
- **Development of Special Coatings**
- **Reduce Coating Removal Time**
- **Obsolescence Management**
- **Aircraft Subsystem Diagnostics**
- **Bonded Repair Technology**
- **Improved System- 463L Cargo Handling Technologies**
- **Avionics Depot Technology Insertion- FPGA & SMT**
- **Maintenance Shop Improvements**
- **Improve High Power Amplifiers for Legacy Electronic Warfare Systems**
- **Improve Basic Expeditionary Airfield Resources (BEAR)  
Support Infrastructure Technologies**
  
- ***Will be Discussed in Tomorrow's Breakout Sessions***



# Government Technology Programs



WARNER ROBINS AIR LOGISTICS CENTER





# Call For White Paper Proposals



WARNER ROBINS AIR LOGISTICS CENTER

- **Proposition: Allow industry to submit potential technology solutions to existing ALC challenges**
  
- **Technology White Paper Review**
  - **Please Send all 1-page White Papers to: [technology.proposals@robins.af.mil](mailto:technology.proposals@robins.af.mil)**
  - **Please Contact the Topic POC for Specific Questions**
  - **EN will gather white papers, then vet with topic POC**

*Disclaimer: Information submitted by industry in response to these technology needs will not be disclosed outside of the Government. Development and submission of white papers, and any resultant briefing and/or presentation, is not funded by the Government. Presentation of these technology needs to industry by Warner Robins Air Logistics Center does not obligate the Government to pursue any proposed solutions.*



# Summary



WARNER ROBINS AIR LOGISTICS CENTER

- **ALCs have challenges that may find technical solutions**
  
- **EN is Center facilitator for Strategic Technology Plan**
  
- **Center Technology Strategic Plan defines needs**
  
- **You have the opportunity to answer our needs!**
  
- **Other Technology Opportunities**
  - **Other breakout sessions**
  - **Opportunities brochure**