

Warner Robins Air Logistics Complex (WR-ALC) is located at Robins Air Force Base, Georgia. WR-ALC manages depot level maintenance production, manufacturing facilities, and laboratories in the maintenance and modification of Air Force equipment and aircraft. WR-ALC implements policies designed to achieve the Command objective of providing a depot level industrial capability and capacity to support mission essential maintenance requirements. WR-ALC maintains capability to provide ready expansion to meet wartime emergency/surge requirements and provides a source of maintenance for critical items, crash damaged aircraft, and component manufacturing.



WR-ALC is one of three Complexes assigned to the Air Force Sustainment Center. WR-ALC is comprised of four Group units (402 AMXG, 402 CMXG, 402 EMXG, and 402 MXSG) that employ a skilled workforce of more than 6,200 military, civilian, and contract personnel. Together the WR-ALC team provides world-class maintenance repair and overhaul support to the warfighter.

As an Air Force designated Center of Industrial and Technical Excellence (CITE), WR-ALC is assigned the Technology Repair Center (TRC) responsibilities for the following:

- TRC 3: Electrical Power Components
- TRC 4: Electronic Support Equipment
- TRC 6: Airborne Electronics
- TRC 7: Command, Control, Communications, Computer, and Intelligence (C4I)
- TRC 9: Hydraulics/Pneudraulics/Pneumatics: Air Vehicle Fire Bottle Equipment
- TRC 11: Life Supprt Systems: Life Support Equipment and Egress Systems
- TRC 13: Propellers: Fixed Wing Aircraft
- TRC 16: Photographic/Reconnaissance Imaging
- TRC 17: Training and Simulation Equipment
- TRC 18: Instruments/Displays: Gyros
- TRC 19: Airframe/Aircraft Related: Airlift Aircraft, Special Operations Forces Aircraft, Intelligence, Surveillance, and Reconnaissance (ISR) including but not limited to C-5, C-17, C-130 (and related MDS), F-15

WR-ALC currently holds AS9110 Rev C certifications as associated with the application of ISO9001 standard to aerospace manufacturing.

WARNER ROBINS

AIR LOGISTICS COMPLEX

ROBINS AIR FORCE BASE, GEORGIA

CONTACT US

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As of January 2025

402D AIRCRAFT MAINTENANCE GROUP

The 402d Aircraft Maintenance Group (AMXG) provides programmed/unprogrammed depot level maintenance repairs and modifications for C-5, C-17, C-130, and F-15 aircraft. AMXG has supported major structural repair efforts to include the center wing box replacements on C-130s, longeron replacements on multiple weapon systems, and significant systems upgrades on all platforms. AMXG maintains Expeditionary Depot Maintenance (EDMX) and depot field team capabilities for home station support, contingency operations, and worldwide deployment support to return damaged aircraft to service. AMXG repairs, modifies, inspects, tests, de-paints, paints, and overhauls aircraft and equipment for the Department of Defense, other government agencies, and foreign military aircraft customers who have negotiated workload at the Warner Robins Air Logistics Complex.

402D COMMODITIES MAINTENANCE GROUP

The 402d Commodities Maintenance Group (CMXG) provides extensive depot level maintenance support to C-5, C-17, C-130, F-15, B-2, and KC-46. CMXG performs depot level test, maintenance, modification, manufacturing, component and special process repair, asset overhaul, and engineering expertise to supported major weapon systems. Highly skilled personnel use coventional and automatic equipment within the group's one million square feet state-of-the-art manufacturing and repair facilities.

- Metal Bonding and Composites
- 26 Process Aerospace Electroplating Facility
- 6 Types of Non-Destructive Inspection (NDI)
- Laser Depaint for Composites
- Additive Manufacturing (Polymer, Inconel 718 and SS316)
- Heat Treat-Aluminum, Steel, and Titanium
- Robotic Core Milling Machine
- Climate Controlled Paint Booths
- Modern Sheet Metal Manufacturing Facility
- Newly Modernized CNC Machining Facility (5 Axis Milling/Turning)
- Aircraft Seat Repair
- Life Support Items Repair
- Parachute and Fabric Repair
- Thrust Reversers and Metal Tank Repairs
- Cables, Brackets, and Fittings Manufacturing
- Skins, Ribs, Spars, and Panels Manufacturing
- Flight Control and Fuel Cell Repair
- Mobile Composite Repair Capabilities
- Welding and Tube Manufacturing
- Metrology Lab and Reverse Engineering
- Robotic and Conventional Fiberglass and Plastic Repair for Radomes
- Thermal Spray Repair- Cold Spray and HVOF
- Sheet Metal Manufacturing, Fluid Cell Press
- Advanced Robotic Incremental Sheet Forming
- Propeller Assembly Overhaul (Legacy and J)
- Halon Recovery/Recycling and Fire Bottle Repair
- Battery and Bearing Shop
- Microwave Scanning
- Virtual Radome Testing

402D ELECTRONICS MAINTENANCE GROUP

The 402d Electronics Maintenance Group (EMXG) provides airborne electronics, avionics and instrument depot level maintenance support. EMXG maintains core capabilities and processes in depot level test, maintenance, repair, modification, manufacturing, certification, declassification, and enginnering support to weapon systems and associated support equipment.

650,000 SF Secure/Environmentally Controlled Space

- Secured Access Programs (SAP) Space Availability
- 22,000 SF Clean Room Space
- Painting Facilities
- Indoor/Outdoor Radar Ranges
- Classified Unit Storage
- Screen/Shielded Room Operations
- Safe Firing Laser Rooms
- On-Site Hazardous Materials Distribution Pharmacy
- DSCC-Certified MIL-PRF-38534 2500 sq ft Class 7 (10,000) Clean Room
- Electrical/Utility Raceway Systems
- ESD1 Rated Electronic Repair Areas

Specialized Manufacturing Capabilities

- Up to 22 Multi-Layer Printed Wiring Boards
- Interface Test Adapter Assemblies
- Flexible and RF Cable Manufacturing
- Tool Design and Modification
- Versatile Diagnostic Automative Test Station (VDATS)

Reverse Engineering/Avionics Redesign and Manufacturing

- Electrical and Environmental Testing
- DSCC-Certified MIL-PRF-38534 in Hybrid Manufacturing
- Creating Technical Data Packages to include Drawings, Technical Orders, List of Material, and other Technical Specifications



Experienced Avionics and Electronics Workforce

- Common/Fighter Avionics
- Communications
- Core Processors
- Gyroscopes
- Active Electronically Scanned Array (AESA) Radar
- Fire Control Radar
- Color Weather Radar
- Radar Warning
- Laser Target Acquisition
- Electronic Warfare
- Electronic Manufacturing
- Navigation
- Electronic Instruments
- Chaff and Flare Dispensers
- Electronic Jamming
- Infrared Sensors
- Precision Attack PODs
- Electronic Support Equipment

402D MAINTENANCE SUPPORT GROUP

The 402d Maintenance Support Group (MXSG) provides industrial, facility, equipment, engineering, and testing services support. MXSG performs depot industrial plant and ground support equipment maintenance as well as provides a variety of laboratory tests, analysis, and on-site calibration of electronic testers. MXSG provides all tool control services and manages all infrastructure, capital investment, and energy programs for WR-ALC.

- Prototype Fabrication
- Custom Test of Components/Materials
- Failure Analysis of Aerospace Components
- Material/Chemistry Testing
 - Plating/Fuel Oil/HazMat/Breathing Air
 - Metal Bond/Tensile/Hardness/Coating
 - Mechanical Stress/Shear/Compression/Load
 - Shelf Life Extension
 - ISO 17025 Certified Chemistry Lab
 - GA EPD Drinking Water Analysis Certification
- OSHA Compliance
 - Swipe Sampling
 - Personal Protective Equipment Testing
 - Bioenvironmental Hazards Testing
- Cyber Security
- AGE/GSE Maintenance
- Capital Investment Program (CIP)
- Corrosion Control and Prevention
- Energy Assurance/Resiliency
- Environmental Compliance
- Ergonomics-Admin/Production Areas
- Facilities Maintenance and Repair
- Facility Management/Engineering
- First Article Verification
- Hazardous Materials/Waste Disposal
- NDI Training/Certification
- On-Site Calibration
- Plant Services/Equipment Sustainment
- Pollution Prevention (P2)

