

## **BUSINESS JET MISSIONIZATION**

**Delivering proven, high-quality, low-risk, cost-effective business jet solutions.**

L3Harris leads the industry in designing high-quality, low-risk and mission-tailored solutions for a diverse range of business jet platforms and missions. Our decades of business jet experience spans more than 10 manufacturers' aircraft, including Boeing, Bombardier, Dassault, Gulfstream, Raytheon and Textron produced for domestic and international customers.

### **MISSION SYSTEM DESIGN**

Our business jet support includes platform modernization and fielding solutions to meet the ever-increasing complexities of ISR/BMC2 collection, including more than 800,000 labor hours designing, building, integrating, testing and certifying interior and exterior mods and complex mission systems on the Bombardier Global series. We also integrate and support fixed and mobile ground control stations and training simulators for all mission needs.

### **ADVANCING THE MISSION**

L3Harris has extensive model-based systems engineering (MBSE) experience to improve traceability to system level requirements, reduce errors and defects, improve efficiency, reduce cost and simplify collaboration and reuse.

Unlike traditional data-driven documentation, these digital models also allow for virtual prototyping of systems and physics-based simulation. When combined with Agile program processes, MBSE allows for far more customer/operator feedback early in design phases- resulting in accelerated development schedules and reduced cost to fielding.

In addition to our industry-leading digital engineering practices, L3Harris has years of experience applying modular open system architectures (MOSA). As a non-traditional prime integrator, we have designed, fielded and sustained dozens of platforms leveraging best-in-class avionics, sensors, radios, datalinks and other mission systems regardless of manufacturer, and without vendor lock.



### **DESIGN, INTEGRATION & FIELDING**

- > U.S. Army Airborne Reconnaissance and Electronic Warfare System (ARES)
- > U.S. Army High Accuracy Detection and Exploitation System (HADES) Multi-Domain Sensing System (MDSS)
- > U.S. Air Force EC-37B Compass Call Cross Deck
- > Royal Australian Air Force MC-55A Peregrine
- > Italian Air Force Joint Airborne Multi-Mission Multi-Sensor System
- > Dassault Falcon 2000 ISR Platform
- > UK Sentinel Airborne Stand-Off Radar (ASTOR)

### **PROVEN BUSINESS JET MISSION SYSTEM INTEGRATION TO SUPPORT THE FIGHT:**

- > Intelligence, Surveillance and Reconnaissance
- > Airborne Early Warning & Control
- > Electronic Warfare
- > Maritime Patrol
- > Special Missions

## ADVANCING THE MISSION WITH MOSA

We have invested heavily in modern MOSA systems to ensure compatibility with DOD standards such as Open Mission Systems and Future Airborne Capability Environment, but more importantly understand and embrace the intent of MOSA. We have experience rapidly integrating complex systems using readily available commercial-off-the-shelf components and interfaces to reduce schedule and cost, while remaining agile in our MOSA designs.



**Unmatched, industry-leading  
98.4% delivery rate**

**Most experienced integrator on the  
Bombardier Global-series aircraft**

**Redesigned, tested and certified seven  
unique military commercial derivative  
aircraft-based ISR platforms in the last  
10 years**

**Over 800,000 labor hours designing,  
building, integrating, testing and  
certifying mission systems on Bombardier  
Global series aircraft**

### Design, integration and fielding:

- + Royal Air Force Airborne Stand-Off Radar (ASTOR)
- + U.S. Army Airborne Reconnaissance and Electronic Warfare System (ARES)
- + U.S. Army Theater-Level, High-Altitude Expeditionary Next Airborne ISR-Radar (ATHENA-R)
- + U.S. Army High Accuracy Detection and Exploitation System (HADES) Multi-Domain Sensing System (MDSS)
- + U.S. Air Force EC-37B Compass Call Cross Deck
- + U.S. Air Force RC-135 Rivet Joint
- + Royal Air Force RC-135 Rivet Joint
- + Royal Australian Air Force MC-55A Peregrine
- + Italian Air Force Joint Airborne Multi-Mission Multi-Sensor System (JAMMS)
- + Dassault Falcon 2000 ISR Platform

Global leader in business jet aircraft engineering,  
integration and contractor logistics support (CLS)



**DELIVERED OVER 15,000  
AIRCRAFT**



**98.4% ON-TIME DELIVERY RATE**



**185 DELIVERED ON  
OR AHEAD OF SCHEDULE**



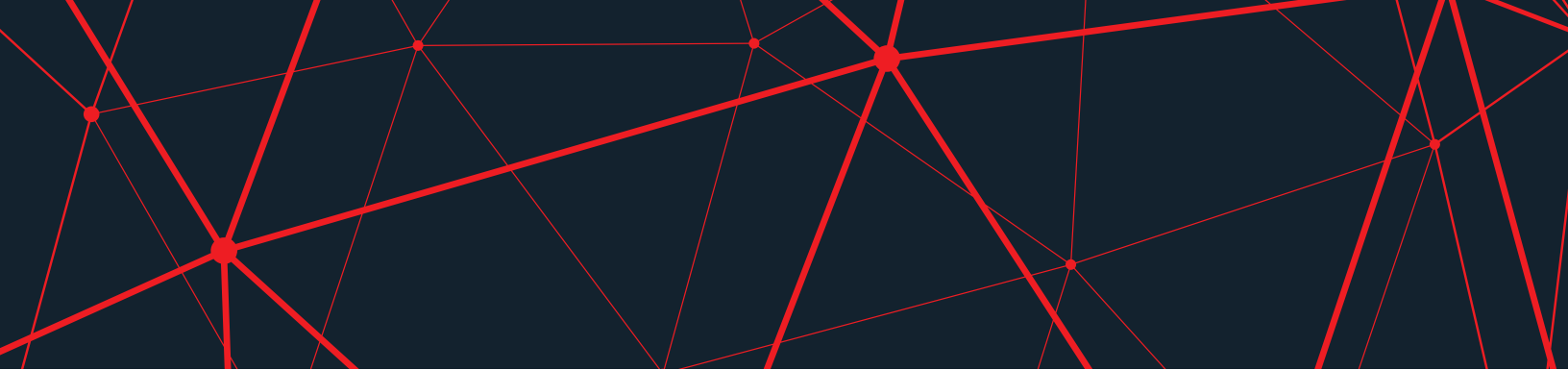
## ONE-STOP SOLUTIONS

Our facilities offer a one-stop solution for intelligence, surveillance and reconnaissance (ISR) aircraft engineering, complex system integration, aircraft modification, flight testing and certification, contractor logistics support (CLS) and electronic warfare (EW) platform solutions and services on diverse military and civil aircraft platforms.

Our decades of experience in platform overhaul, conversion, missionization and mission system development and design positions our team to deliver the highest quality, lowest-risk solutions to meet your current mission needs, and equip you to address future missionization demands.







## TESTING AND CERTIFICATION

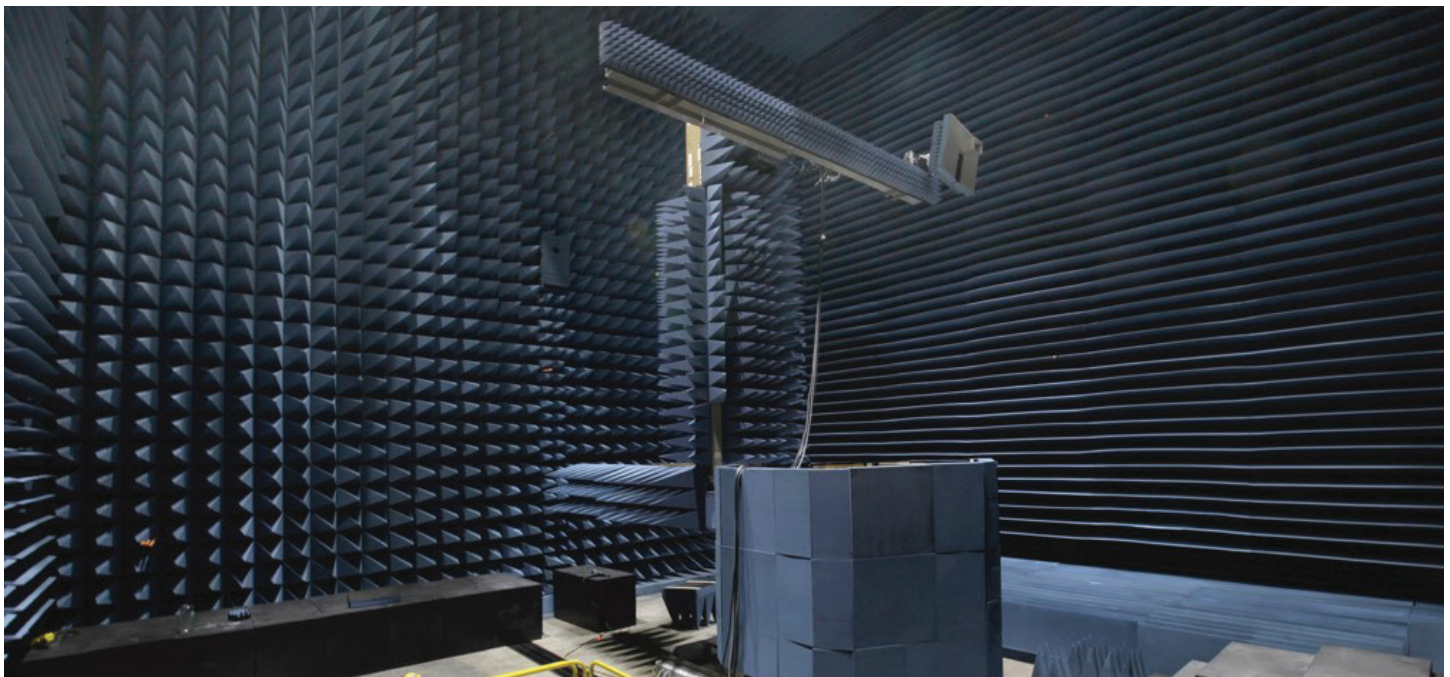
L3Harris uses an advanced certification process combining requirements from the Federal Aviation Administration (FAA) as well as the Air Force Advanced Policy Directives (AFPD) to quickly qualify Military Commercial Derivative Aircraft (MCDA).

L3Harris has maintained FAA Organizational Designation Authority (ODA) since 1982, further streamlining the qualification and certification process. Our unique position as an ODA allows initial design, fabrication, and certification approval of aircraft modifications, engineering changes, and Supplemental Type Certificates for modification of civil registered aircraft or military aircraft maintained to civil standards.

In addition to our ODA certification, L3Harris is an FAA Class 4 Unlimited Repair Station with all associated tooling, fabrication, and repair capability. Our facilities include nearly two-million square feet of climate controlled, government-certified hangar space, a world-class paint facility, and more than 72,000 square feet of secure facilities giving L3Harris the capacity to complete all modifications and repairs without requiring additional government-furnished space.



Our one-of-a-kind [Multi-Sensor Test Facility](#) includes comprehensive anechoic chambers and live over-the-air testing from 1 MHz-to-40 GHz in a 100,000 square mile FAA-approved testing area, which enables rapid multi-discipline sensor certifications and calibrations, reducing schedule, cost, and flight hours required for final system calibration and certification.



L3Harris\_sht\_Bizjet

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These item(s)/data have been reviewed in accordance with the International Traffic in Arms Regulations (ITAR), 22 CFR part 120.34, and the Export Administration Regulations (EAR), 15 CFR 734(3)(b)(3), and may be released without export restrictions.

L3Harris Technologies is a Trusted Disruptor for the global aerospace and defense industry. With customers' mission-critical needs always in mind, our 46,000 employees deliver end-to-end technology solutions connecting the space, air, land, sea and cyber domains.



**L3HARRIS**<sup>®</sup>  
FAST. FORWARD.

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