

SMARTER INTEGRATION SOLUTIONS

RELIANCE
A E R O T E C H

Smarter Integration + Modification Solutions

Resolving the aircraft maintenance issues caused by obsolete equipment, changing mission needs or evolving regulatory requirements can be challenging. Given the significant cost and time associated with these aircraft modernization projects, your choice of systems integrator is critical to ensure program success.

Reliance Aerotech Services understands the challenges our customers face managing the process of aircraft systems integration and modification. We've delivered more than 600 integration and modification solutions. We have the **people, experience and knowledge** to lead you through the most difficult aircraft systems integration projects on time and on budget.

Aircraft Systems Integration & Modification Services

From individual integration services to a total integration package, Reliance Aerotech Services' team of aircraft systems integration and modification specialists deliver flexible integration & mod services including:

- **Installation services with on-site engineering liaison** – Our experienced installation teams work with engineering to ensure smooth prototype/program completion and on-site engineering liaison guarantees all project deviations have required engineering approvals.
- **Experienced Program Management** – We specialize in providing highly qualified Program Managers to ensure all project requirements are met on time and on budget. From dedicated on-site Program Managers to materials, manufacturing and engineering coordinators for small projects, we provide a single point of contact to resolve program issues.
- **Structural and Electrical Integration Design and Certification** – Our goal is to create concise design definition requirements for the project certification plan and compliance matrix to ensure projects proceed quickly and efficiently through certification.
- **Preliminary/Critical Design Reviews** – We conduct preliminary and critical design reviews to ensure all program plan requirements are met and customer and engineering have defined all design criteria.
- **Flight Manual Supplements** – We develop Flight Manual Supplements to support integration programs for approval by certification authorities and customers.
- **Comprehensive installation kits** – We produce cost effective install kits with 8130-3 tags for commercial programs and Certificates of Conformance for military programs.
- **Ground/Flight Testing** – Our Designated Airworthiness Representatives (DAR) and Designated Engineering Representatives (DER) conduct comprehensive Ground and Electro-Magnetic Interference testing to ensure aircraft, existing systems and new systems are operating properly and are ready for Flight testing. Flight Testing is accomplished in accordance with the Test Plan and compliance matrix to verify system performance and customer acceptance.



“Through a relentless focus on the best people and more than a decade of experience delivering successful integration and mod programs, we provide flexible aircraft systems integration services our customers can depend on.”

Ron Jordan
General Manager

DEPENDABLE AVIATION SOLUTIONS

- **Flight crew and maintenance technician training** – We deliver classroom and on aircraft training to rapidly assist the transition to new systems with complete understanding of the operation, theory of operation, troubleshooting, and maintenance.
- **Maintenance Manual Supplements** – We prepare complete Maintenance Manual Supplements (Line Maintenance and Illustrated Parts Catalog) developed to the Original Equipment Manufacturer (OEM) format and for inclusion either before or after the applicable OEM manual.

Proven Commercial & Business Integration & Mod Solutions

Reliance Aerotech Services has a proven track record delivering more than 600 aircraft systems integration and modification solutions for fixed and rotor wing aircraft in the military, government, business and commercial aviation sectors. From major avionics and structural upgrades to weapons and electrical systems, our expert program managers take the stress out of aircraft systems integration and modification, ensuring program milestones are met, contract requirements are satisfied and all regulatory issues are fully complied with.

Select commercial and business integrations & modifications include:

- Avionics Upgrades:
 - > Aircraft Addressing and Reporting System (ACARS)
 - > Terrain Avoidance Warning System (TAWS) & Enhanced Ground Proximity Warning System (EGPWS)
 - > Tropospheric Airborne Meteorological Data Reporting (TAMDAR)
 - > Emergency Locator (ELT)
 - > Weather Radar
 - > Traffic Alert and Collision Avoidance System (TCAS)
- Extended-Range Twin-Engine Operational Performance Standard (ETOPS)
- Fire/Smoke Abatement System
- Regional Aircraft Cargo Conversions
- Aftermarket Install of APUs
- Dash-8 Rudder Isolation MOD
- Anti-Ice
- Structural Modification (Composite & Sheet-metal)

Your Integration & Modification Partner

Many of the world's leading aviation companies rely on Reliance Aerotech Services' to manage the complexity of their integration and modification programs. With the people, expertise and experience to manage every part of the integration program from installation to design, certification, testing, training and manuals, Reliance is ready to help you through the most challenging integration and modification programs.



To learn more about aviation aircraft integration and modification solutions, please contact:

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