

FIELD

AEROSPACE



Empowering Your
MISSION

fieldaero.com

A Legacy of Aerospace Excellence

Since 1947, Field Aerospace has been a center of excellence for aircraft upgrades and modifications. Our team of experienced aviation professionals provides expert aircraft modification, missionization, and maintenance services. With the ability to design, install, test, and certify all our modifications, Field's upgrades and solutions keep your aircraft in the air, on mission, and ready for the future.

We are dedicated to providing mission-critical engineering and integration services and have built an unmatched industry reputation for delivering proven, reliable, flexible solutions. From initial concept through design, production, integration, and continuing support, our responsive, and innovative team is dedicated to making ordinary aircraft extraordinary.

Capabilities

Acclaimed for on-demand designs and production to specification, Field is a fully integrated solutions provider able to design, manufacture, install, test, and certify projects across our suite of services.

Services

- Special Mission Aircraft Solutions
- Organizational, Intermediate, and Depot-level Maintenance
- Interior Reconfigurations and Completions
- Aircraft Modification Kits
- Avionics Modifications
- Design Engineering
- Program Management



Aircraft Integration and Modifications

We are experts in heavy aircraft modifications, avionics upgrades, end-to-end special-mission aircraft services, certification, installation, logistics, training support and many other custom services.

Because we're not an original equipment manufacturer, we are unbiased when evaluating a proposed hardware/software package. When recommending a solution, we have one objective: to satisfy your requirements.

- Countermeasures and missile defense systems
- Aeromedical installations and palletized solutions
- Intelligence, surveillance, and reconnaissance (ISR) systems
- High-speed data link integration and services (commercial and military)

Avionics Modifications

Our navigation modifications allow you to meet regulatory requirements for operating in reduced airspace, flying at optimum altitudes, and performing approaches with more precision.

The key to achieving safe and effective operation is through continual avionics upgrades that keep your aircraft productive, profitable, and equipped with the latest technology.

- Modified Flight Management Systems - ensuring superior navigation performance throughout the flight profile
- Upgraded Required Navigation Performance (RNP) capability - saving fuel, reducing approach minimums, and minimizing weather-related delays
- Electronic flight bag modifications that lead to paperless cockpits
- Flat-panel PFD/ND/MFD upgrades for classic cockpits
- Modification of ACAS, EGPWS/TAWS and Head-Up Guidance Systems



Past Performance

No matter the complexity, duration, or value, we believe that every project plays a crucial role in our success. Our programs directly impact our customer's missions, whether it's enhancing aircraft capability or supporting defense needs. Exceeding these expectations is our goal.

We have extensive experience with various aircraft types, from commercial to military.



Airframe Experience

DHC-6 Twin Otter	Bombardier Challenger	USAF KC-135	Fairchild Metroliner
DHC-8	Bombardier Global	USAF RC-135	Gulfstream Series
DHC-7	Boeing 767	Lockheed C-130	King Air
USAF T-1A	Boeing 737	Lockheed F-16	Sherpa C-23
Bell Iroquois	US Navy E-6	Cessna Citation	Mi-17

Certifications

We maintain a close relationship with transport authorities to ensure all of our projects are completed within the recommended guidelines.

- FAA Organization Designation Authorization
- Design Approval Organization
- FAA 145 Certified Repair Station
- Designated Engineering Representatives
- Approved Maintenance Organization
- EASA/JAR 145 approval
- FAR Repair Station Equivalent Status
- ISO9001
- AS9100D
- Canadian Controlled Goods Program
- 8210 Ground and Flight Risk Compliant

Approving Our Own STCs

Our ability to certify work in-house ensures that programs aren't slowed down by third-party verification and gets your aircraft up and flying as soon as possible.

We have more than 130 STCs on 64 aircraft. These designs also offer the groundwork to achieve additional approvals quickly.



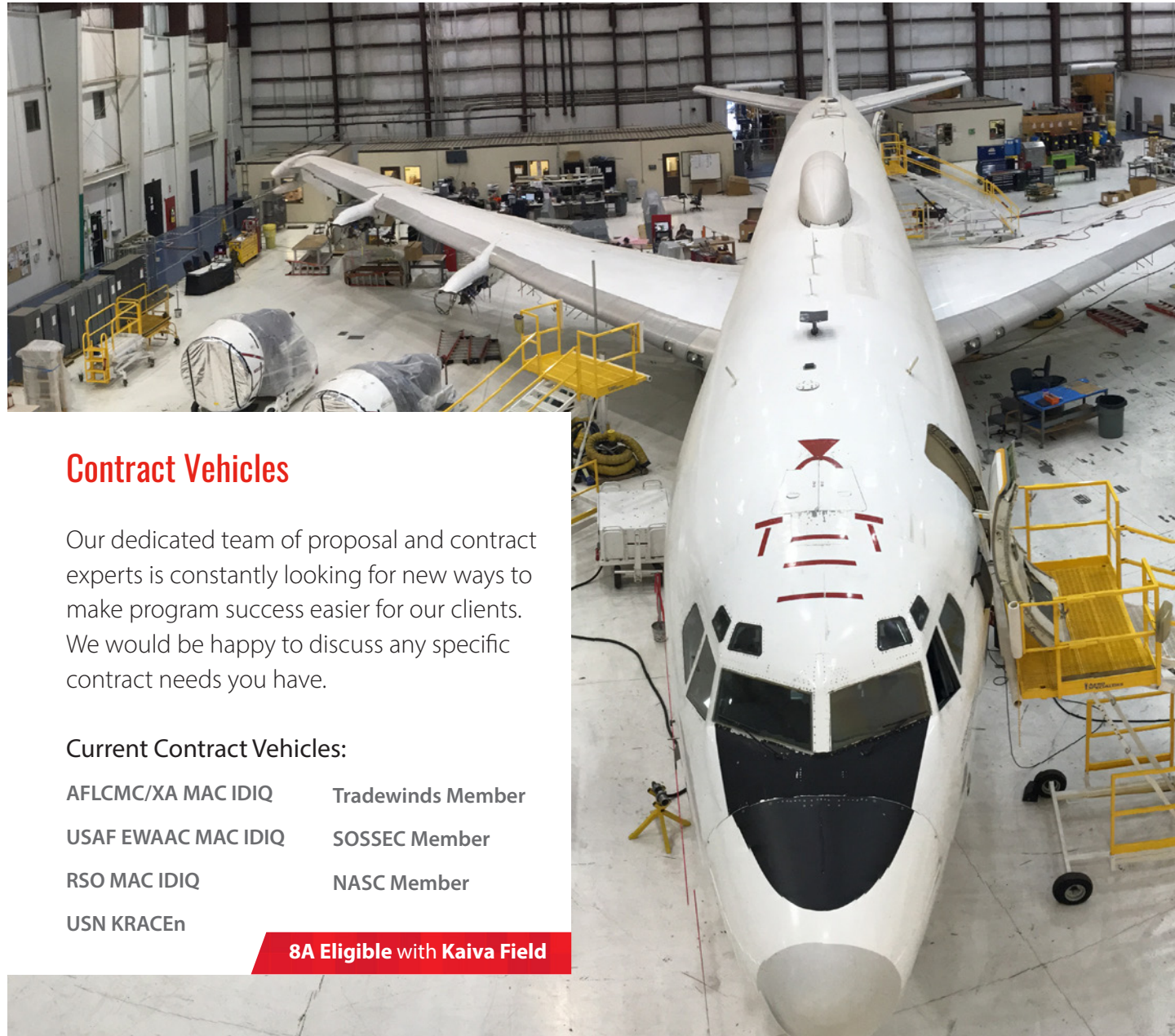
Operations

OKLAHOMA CITY

- Located at Will Rogers International Airport
- 150,000 ft² (13,940 m²) hangar, manufacturing & offices, 426,255 ft² (39,600 m²) ramp
- Provide mission-critical communications, engineering, and integration services
- Top Secret Security Clearance
- 40% of our staff is U.S. military veterans

TORONTO

- Located at Pearson International Airport (YYZ)
- 40,000 ft² (3,700 m²) hangar
- 47,000 ft² (4,370 m²) manufacturing, avionics service center & offices
- Special Mission Modification – including MSA, MMA, SAR and ISR
- Design and manufacture of modification kits and Supplemental Type Certificates



Contract Vehicles

Our dedicated team of proposal and contract experts is constantly looking for new ways to make program success easier for our clients. We would be happy to discuss any specific contract needs you have.

Current Contract Vehicles:

AFLCMC/XA MAC IDIQ	Tradewinds Member
USAF EWAAC MAC IDIQ	SOSSEC Member
RSO MAC IDIQ	NASC Member
USN KRACEn	

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Customer Support

Our Search and Rescue, Special Mission and VIP operators depend on our technical expertise and rapid response to perform their critical missions. Providing excellent in-service and warranty support is a priority for the Customer Support team.

PUTTING YOUR MISSION FIRST

- Customer Support Hotline
- Technical Investigation & Troubleshooting (on-site and remote)
- Drawing / FMS / MMS / Certification Documentation Changes
- Existing STC Revisions
- Approved Repairs
- Quality Reporting
- Warranty Requests
- Annual Service Agreements

Engineering Services

We are focused on delivering exceptional modification and digital upgrades from concept through lifecycle management. Our structural, avionic, and system engineers are a part of the process at every stage – specifying, designing, assembling, testing, and certifying – working meticulously from the initial preparation to the delivery of the aircraft. Our engineering experts are also available for standalone or third-party work.

DESIGN & ANALYSIS EXPERTISE

- Requirements & Solutions Analysis
- Concept & Prototype Design
- Digital Engineering
- Production Drawings
- Cad & Parametric Modeling
- Multiple Analysis Techniques:
 - › Loads, Stress, Fatigue
 - › CFD
 - › Damage Tolerance
 - › Antenna Co-Site
 - › FEM/NASTRAN, FMEA, ELA





Manufacturing and Wiring Support

Manufacturing

- Fabrication and manufacturing of structural and mechanical parts
- Equipped to support kit manufacture and build
- On-the-spot fabrication

Wiring

- Build, repair, and install wire harnesses in accordance with drawings and applicable Technical Directives
- Experience performing ring-outs and continuity testing that ensure compliance with all governing and technical directives



Highly Skilled Workforce

Field's aviation maintenance professionals are the backbone of our MRO services. Our Team has in-depth knowledge of aircraft systems, components, and maintenance procedures for military, commercial, and derivative airframes.

MRO

Field's state-of-the-art facilities are designed to meet the demanding requirements of aircraft maintenance. We tout spacious hangars, maintenance bays, and workshops that can accommodate multiple aircraft sizes and provide ample space for disassembly, reassembly, and storage of aircraft components.

- Organizational-Level Maintenance (O-Level)
- Intermediate-Level Maintenance (I-Level)
- Inspection Checks
- Programmed Depot Maintenance (PDM)

Our team has specialized equipment, cranes, lifts, and jacks capable of handling the weight and dimensions of large aircraft.



Ground & Flight Test

Field Aerospace also offers full integration and testing capabilities. Software, hardware, complex aircraft systems, verification, validation services, and certification – we cover it all, performing exhaustive functional testing and evaluations.

Rigorous Testing

- Aerodynamics
- Avionics (EMI/EMC)
- Antenna performance
- Radio frequency hazard
- Sensor performance
- Airframe performance and handling
- Interior configuration compliance
- Test instrumentation & data acquisition

FIELD

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