Overview

- **U.S. Owned and Operated Small Business**
  - 336411, 336412, 336413, 541712, 334511
  - 300 personnel
  - Flexible, reliable, and innovative
  - Providing mission-critical communications, engineering and integration services

- **Located at Will Rogers World Airport (OKC)**

- **Our capabilities include...**
  - Heavy aircraft modifications and upgrades
  - Professional project and program management
  - Aircraft maintenance
  - End-to-end special-mission aircraft services
  - Certification and installation services
  - Logistics, training support and many other custom services
Aircraft Modification and Maintenance Facility

- **Location:** Oklahoma City, OK
- **Hangar/Shops/Offices:** 160,000 sq.-ft.
- **Ramp Space:** 426,225 sq. ft.
- **FAA Certified Repair Station:**
  - FAR 145 (#Y5ER795X) Repair & Maintenance
- **U.S. Government Ground & Flight Risk (GFR) certified facility**

**Other support capabilities**

- Rockwell Collins Authorized Dealer
- Garmin certified dealer
- Flight-line, Intermediate & Depot Maintenance
- Modifications & Upgrades
- AS9100 Rev C
- ISO 9001
Aircraft Integration & Modification

- Integration and Modification of Aircraft Systems, Subsystems or Structures
- Avionics, Communication, Navigation, Radar, & Intelligence, Surveillance, Reconnaissance, (ISR) Integration
- Special Purpose Mission System Packages
  - Other – VIP, aero-medical pallets
- Engineering Design, Test, & Certification
  - Aerodynamic, EMI/EMC structural & electrical loads analysis
  - Solid modeling & finite element analysis
- Kit Fabrication & Installations
  - Electrical & Structural

FAA Organization Designation Authorization (ODA)

Approving own Supplemental Type Certificates (STCs)

Designated Engineering Representatives (DERs)
- **Line Maintenance**
  - Full qualified and trained staff (A&P, FAA certs)

- **Flight Operations (CONUS/OCONUS)**
  - Utilize GFR approved procedures
  - Maintenance test flights
  - Flight & Mission Training

- **Logistics Support**
  - Supply Chain & inventory management, warehousing, vendor qualification and export compliance

- **Technical Publications Development**
  - Electronic data conversions & configuration management
  - Maintenance & flight manuals, parts & wiring diagram

- **Contractor Logistics Support (CLS)**

- **Programmed Depot Maintenance and Overhaul**
  - Inventory of support equipment and tooling

Field Aerospace Proprietary
Current & Past Programs

- **Aircraft Integration and Modification**
  - U.S. Forest Service Sherpa upgrade
  - E-6 mission system upgrade
  - KC-10 CNS/ATM upgrade
  - KC-135 Block 45 Mod
  - Department of State C-26 ISR
  - Cessna Citation flight inspection system
  - OC-135 avionics upgrade

- **Maintenance and Sustainment**
  - E-9 CLS
  - Middle Eastern C-130 PDM
  - Indonesian C-130H PDM
  - SCNS desktop trainer
  - Iraq UH-1H and Mi-17 line maintenance
  - Colombian C-26 & Cessna Citation line maintenance
  - USAF maintenance test flights
  - C-5 maintenance trainer
  - KC-135 Country Specific Tech Orders (CSTO)
  - Royal Saudi Air Force C-130 line maintenance and overhaul
Field Aerospace began work on the E-6B Block I Low Rate Initial Production (LRIP) contract in October 2010 as a major subcontractor to the prime contractor. Field Aerospace was awarded a follow-on contract in 2012 for Full Rate Production (FRP). The E-6B Block I LRIP/FRP awards included the following tasks:

- Install Block I and Internet Protocol Broadband Expansion (IPBE) Phase 3 kits on E-6B aircraft
- Upgrade the Mission Avionics System Trainer (MAST) and Environmental Cooling System (ECS) Trainer
- Perform/support ground and flight testing

This program covers 16 aircraft and associated trainers and will be complete in late 2018.
- Field Aerospace began work on the KC-10 CNS/ATM contract in July 2011 as a major subcontractor to the prime contractor. This contract includes the following tasks:
  - Design and Production of all Group A equipment
  - Modification of the aircraft and installation of all systems and equipment
  - Ground and flight testing
  - Technical Order and data updates
  - FAA certification

- This program covers 59 aircraft and will complete in late 2016. All work will be accomplished at the Field Aerospace hangar facility in Oklahoma City.
U.S. Forest Service Sherpa

- Field Aerospace was awarded the prime contract to upgrade the U.S. Forest Service SD3-60 Sherpa aircraft in July 2015. Field Aerospace will develop, install, and FAA certify an integrated flight deck and avionics system. The contract includes the following tasks:
  - Design and Production of all Group A equipment
  - Modification of the aircraft and installation of all systems and equipment
  - Ground and flight testing
  - Technical Order and data updates
  - FAA certification
  - Training

- This program covers 4 aircraft with an option to upgrade up to 15 and will be completed by 2020. All work will be accomplished at the Field Aerospace hangar facility in Oklahoma City.
Industry Issues/Challenges

- **Acquisition Reform**
  - Lack of Contract Vehicles and On-ramps
  - Inability to deliver Commercial Off The Shelf (COTS) solutions due to amount of requirements in RFP’s
  - Solicitations tailored for Original Equipment capabilities due to data access
    - Need to partner together to find solutions to work together

- **Federal Budgets**
  - Shrinking budgets yet increasing requirements
  - Aircraft are being required to fly longer than expected
    - Average age of Tanker fleet is 48.8 years old

- **Workforce**
  - Need for more qualified mechanics, technicians, and engineers
  - Continue to invest in Science Technology Engineering Mathematics (STEM)

- **Ultimately affects Aviation Safety/Compliance/NextGen among United States military aircraft**

- **Example: FAA ADS-B 2020 mandate**
  - C-130 AMP I (Award Date 1 year after submittal)
Summary

- U.S. Owned and Operated Small Business

- Whatever your mission – be it maintaining a small or large fleet, providing life cycle upgrades, integrating the latest technology, obtaining military or FAA certification – Field Aerospace will be your wingman.

- Small enough to be fast flexible and innovative

- Big enough to manage large and complex programs