



## Airborne Testbed Services

Our team of engineers and military-trained test pilots blend decades of experience in software & hardware development, flight test execution, and combat operations to **design, build & test advanced avionics**.

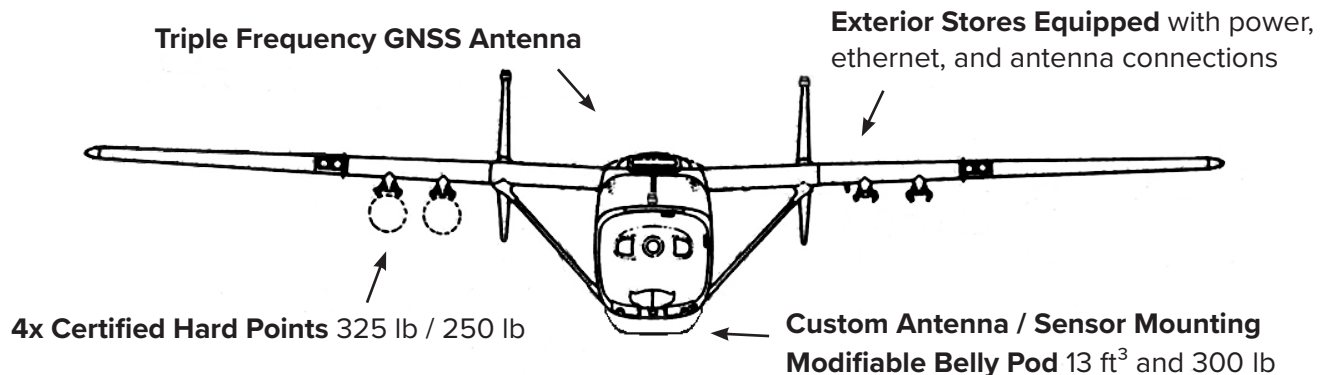
### Test Solutions

- » UAV surrogate
- » EO/IR sensor development
- » Chase / target support
- » GNSS-denied system testing
- » Radar development 360° mount options
- » Flight qualification for external stores

### Flight Test Environment

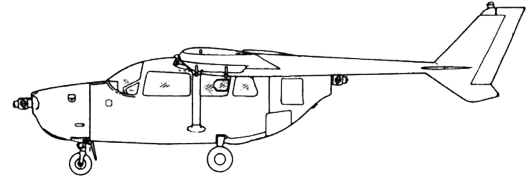
- » Flexible aircraft testbed
- » Multiple internal configurations
- » Data acquisition built in
- » 8 hours endurance
- » 1,000 NM range
- » 18,000 ft MSL ceiling

### Cessna Skymaster O-2A



## The Team

- » **80+ years** Combined Flight Test
- » **6 USAF TPS Graduates**
- » Aeronautical & Electrical Engineer PhDs
- » Commercial flight experience - Air Tractor to 747
- » Military - Unmanned, Surveillance, Bombers, Fighters, Munitions, Tankers & Airdrop
- » FAA Designated Engineering Representative (**DER**), **CFI**, **CFII**, **Commercial**, **ATP**
- » FAA Airframe and Powerplant Mechanic with Inspection Authority (**A&P/IA**)
- » Niceville, FL, Dayton, OH, and Alamogordo, NM
- » **100% US Citizens**



## The Cessna Skymaster O-2A

- » 4 Certified Hard Points 325 / 250 lb
- » Modifiable Belly Pod
- » Flexible Mission Configuration for FTE Stations
- » Data Acquisition System
- » ASPN v2.2 via LCM & ROS messaging
- » Docker container hosting
- » Real-time parameter display
- » Gigabit ethernet + 1553 (available)
- » All-frequency GNSS antenna w/ splitter
- » LWIR + EO cameras, IMU, magnetometer, barometric pressure sensors
- » Navigation Reference System (OMSTARS) provides real-time 6DOF truth reference in GNSS-denied environments

### The “Lucky Duck”

The O-2A entered service in 1967 as an observation and forward air control (FAC) aircraft for observations in Southeast Asia and around the world. It was often referred to as the “Oscar Deuce” or “The Duck”.

