



UAV Capabilities

WE DON'T BUILD THESE PLATFORMS - WE MAKE THEM BETTER

BTAS delivers the technical expertise, program leadership, and field support required to develop, test, field, and sustain advanced unmanned aerial systems. Our experienced professionals work across the UAV/UAS lifecycle helping Department of Defense customers rapidly transition emerging technologies into reliable, mission-ready capabilities.

From airframes and avionics to sensors, payloads, communications, and ground control systems, BTAS integrates the people, processes, and resources needed to support complex UAV/UAS programs. Our disciplined approach connects engineering innovation with operational requirements, ensuring each solution is developed, evaluated, and sustained with the warfighter's mission in mind.

UAV/UAS SUSTAINMENT AND COUNTER-SUAS SUPPORT

BTAS coordinates the technical personnel, facilities, equipment, security, logistics, and administrative resources needed to support systems throughout development, testing, fielding, and operational use.

OUR CAPABILITIES INCLUDE:

- UAV/UAS operational and technical support
- System, subsystem, and payload sustainment
- Airframe, avionics, sensor, and communications support
- Ground control and data dissemination systems
- Counter-sUAS design, test, range, and field support
- Logistics planning and operational evaluation
- Technology refresh and capability enhancement
- Resource planning and technical coordination
- Cost, schedule, quality, and performance management
- Technology transition to operational units

RAPID FIELDING AND TECHNOLOGY TRANSITION

BTAS helps move promising technologies beyond the laboratory and into the hands of the warfighter. Our teams support rapid and spiral prototype development, technology readiness assessments, operational testing, acquisition planning, and transition activities.

- Airframes and propulsion systems
- Avionics and flight controls
- Intelligence, surveillance, and reconnaissance sensors
- Mission-specific payloads
- Ground control stations
- Communication networks
- Data processing and dissemination capabilities

GROUND AND FLIGHT TEST SUPPORT

BTAS plans, coordinates, executes, analyzes, and reports on complex UAV/UAS ground and flight test activities. We integrate technical expertise, facilities, range resources, equipment, security, and operational coordination to evaluate performance, identify risks, and demonstrate operational value under realistic conditions. Our ground and flight test capabilities include:

- Ground and flight test planning
- Test Plan Working Group leadership
- Test resource and range coordination
- On-site engineering analysis
- Payload integration and testing
- Sensor and subsystem assessment
- Operational test and evaluation
- Prototype performance assessment
- Test execution oversight
- Data analysis and reporting
- Technical briefings and recommendations

