

ARCTURUSUAV™

The Most Versatile Airframes In The Sky...



COMPLETE TIER II CLASS SYSTEM
APPLICATION SPECIFIC AIRFRAME DESIGN AND MANUFACTURING
COMPLETE PAYLOAD/AVIONICS/AIRFRAME SYSTEM INTEGRATION
USER TRAINING, FIELD OPERATIONS AND PAYLOAD TESTING



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**APPLICATION SPECIFIC AIRFRAME DESIGN
AND MANUFACTURING**

**COMPLETE PAYLOAD/AVIONICS/AIRFRAME
SYSTEM INTEGRATION**

USER TRAINING AND FIELD OPERATIONS

VERSATILE

Arcturus T-15 and T-16XL airframes are by far the most versatile Tier II class airframes on the market. They have been used for as payload test vehicles, surveillance and reconnaissance vehicles, UAV trainers, payload return vehicle from 65,000 feet, and a hover and stare prototype.

SERVICEABLE

Modular design means user friendly, in-the-field serviceability for quick re-configuration or component replacement. Engine modules, wings, and avionics components can be replaced in just minutes.





HIGH ENDURANCE

Next to their reputation for toughness, our T-15 and T-16XL families of off-the-shelf airframes are known for their flying efficiency and the ability to be configured for endurance of over 24 hours. Our motor modules have been designed to provide the utmost in reliability, fuel efficiency and low noise signature.

DESIGN & TOOLING

Our expertise is in airframe design and optimized composite construction. ArcturusUAV can quickly design and tool an airframe meeting your specific requirements. We can also transition your design from drawing to production in record time.

LAUNCHERS

ArcturusUAV pneumatic launchers are simple and incredibly reliable. Launch rods act as pistons in a long low pressure cylinder. Compressed air or nitrogen is used to propel the launch rod and airframe to flying speed. Launchers are available on dedicated trailers or as portable units that break down to pieces not longer than 72".

INTEGRATION

Successfully integrating airframe, avionics, and payload is one of the more challenging tasks facing new system development. ArcturusUAV brings extensive experience to weight management, RFI problem solving, range maximization, and optimization of system performance.



TYPICAL T-16XL CHARACTERISTICS

Wing Span	12'11"
Length	6'10"
Engine *	Honda 60cc 4-stroke
Dry Weight	40 lbs
Max Weight	Up to 85 lbs
Max Speed	75 knots
Cruise Speed	50 knots
Endurance	16 hrs with 20 lb payload
Payload Capacity	Up to 30 lbs

TYPICAL T-15 CHARACTERISTICS

Wing Span	10'0"
Length	6'0"
Engine *	Honda 60cc 4-stroke
Dry Weight	28 lb
Max Weight	Up to 45 lb
Max Speed	90 knots
Cruise Speed	50 knots
Payload Capacity	Up to 10 lb

* Also available with a Cosworth heavy fuel engine or electrical motor



MILITARY & COMMERCIAL APPLICATIONS

Intelligence, Surveillance & Reconnaissance

Communication Relay

Sensor Testing Platform

UAV Trainer

Area Mapping

Erosion & Environmental Changes

Agricultural, Farming & Commercial Fishing

Fire Detection & Damage Assessment

Surveillance of Borders, Harbors & Canals

Convoy, Road & Population Protection

ARCTURUSUAV™

600 Martin Avenue Suite 110, Rohnert Park, CA 94928

(707) 206-9372 Fax: (707) 206-9393

sales@arcturus-uav.com

www.arcturus-uav.com