



Lumberjack is a Group III unmanned aircraft designed to overcome the tyranny of distance by being launched from ground systems or air vehicles. This vehicle can deliver enhanced lethality to multiple locations through a low-cost logistically flexible platform.

Lumberjack is intended to be “send and forget”, providing autonomous sensing of targets, multiple strike points, and deception of enemy countermeasures. This UAS is intended to be operated in mass and will have deconflicted mission planning to send multiple vehicles to multiple target points within contested environments. With onboard systems providing signature managed survivability and mission execution, Lumberjack is intended to deliver precision effects where other UAS cannot.

Lumberjack is designed with ease of operation in mind. The vehicle is sized to integrate with systems using Small Diameter Bombs and designed to accommodate a modular payload equipped in the field, be two-soldier transportable, and loadable onto existing DoD assets. The version illustrated above is the gas turbine variant; a battery-electric variant is also actively being developed for increased scalability.

## KEY FEATURES

**Persistent Sensing // Long Endurance // Multi-Strike  
Launched Effects // Scalable & Distributed Operations**

## PERFORMANCE SPECIFICATIONS

### Vehicle Specifications

Payload Capacity.....	118 lbs
Vehicle Length.....	71 in
Vehicle Weight (no fuel, or payload) .....	80 lbs
Max Takeoff Weight.....	290 lbs
Max Air Speed.....	230 KTAS
Power System.....	Modular*

*\*ESAero is actively developing both a gas turbine and battery electric variant of Lumberjack*

### Air Launched Specifications

Launch Vehicle.....	Group V /Cargo
Range (with payload).....	550+ nmi

### Ground Launched Specifications

Launch Type.....	Rail Launch
Range (with payload).....	500+ nmi

# CORE COMPETENCIES

**01**

**EFFICIENT AND SUSTAINABLE ELECTRIC AIRCRAFT TECHNOLOGY  
FOR ADVANCED AIR MOBILITY AND UNMANNED AIRCRAFT SYSTEMS**

**02**

**AS9100 CERTIFIED DESIGN-FOR-X FOR ADVANCED AIR MOBILITY  
AND UNMANNED AIRCRAFT SYSTEMS**



***E|S|AERO***

FOR MORE INFORMATION

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