LUMBERJACK™

The Versatile Multi-Target Uncrewed Aircraft System (UAS)

Lumberjack is a modular, logistically flexible, attritable Group 3 UAS delivering organic loitering, beyond line-of-sight, precision strike and electronic warfare capabilities with reduced cost per effect.

AFFORDABLE FORCE MULTIPLIER

Lumberjack is an affordable, one-to-many engagement option designed to reach beyond the boundaries of typical integrated air defense systems and deploy munitions. This enables force multiplication and preservation of crewed assets, giving capacity and ensuring survivability in contested environments.

VERSATILE AND EFFECTIVE

Lumberjack can be air, ground or sea-launched via host agnostic vehicle, supporting a wide variety of mission use cases. Its ability to employ kinetic or non-kinetic payloads from tactically relevant ranges increases versatility across conflicts.

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MODULAR DESIGN & MATURE TECHNOLOGY

Lumberjack utilizes high Technology Readiness Level (TRL) sensors, avionics, manufacturing bases and existing munitions and it's low-cost, modular design allows it to support rapidly developed configurations.

LOGISTICS & DEPLOYMENT ENABLED BY AI AND ML

Palantir's commercially available and hardware agnostic software manages and runs models at the edge. This enables Lumberjack to receive rapid updates and leverage new sensors and artificial intelligence (AI) and machine learning (ML) models within hours, optimizing distribution and maintenance and reducing operator burden.

DESIGN SPECIFICATIONS	
GROSS WEIGHT	290 lbm
TRANSPORT WEIGHT	79 lbm (no fuel or payload)
DIMENSIONS	71"L x 14"W x 10"H
PAYLOAD OPTIONS	Combination of kinetic and non-kinetic sub-munitions, or ISR sensors & processors
MISSION SYSTEMS	Electronic warfare, visual positioning system, satellite beyond line-of-sight comms
AIR-LAUNCH RANGE	Several hundred nmi
GROUND/SURFACE-LAUNCH RANGE	Several hundred nmi
INGRESS	0.30 Mach (~230 KTAS) @ 20,000ft. altitude

E|S|AERO

KRATOS
READY FOR WHAT'S NEXT™

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