



Energetic Strike sUAS (ES-sUAS)



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UNCLAS – Company Proprietary

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Energetic Strike sUAS

System Overview:

The Energetic Strike sUAS is a dual-use Strike/ISR weaponized drone developed under AFWERX SBIR CS01 (completed July 2020). The system enables the warfighter to conduct lethal strikes on personnel, vehicles, drones, and light armor targets in complex and obstructed battlefield environments.

Warfighter Advantages

- Complex battlefield loitering munition (Fallujah style clearance operations, D-DAY)
- Counter sUAS, counter defilade, armor defeat

Key Points

- Multiple independently fired warheads that do not degrade fight or damage drone.
- Directional fragmentation for anti-personnel enfilade/defilade, EFP for anti-light armor & vehicle disablement, 5 lbs. shape charge for armor-defeat.
- Intended to operate in obstructed & complex environments (DARPA OFFSET).
- Teamed with Northrop Grumman for AI, targeting, weapon package integration.
- No standoff required, engage targets from 0 to 60 meters
- Quickly reloadable • Man-packable • Cost efficient



Complex Battlefield Targeting and Engagement

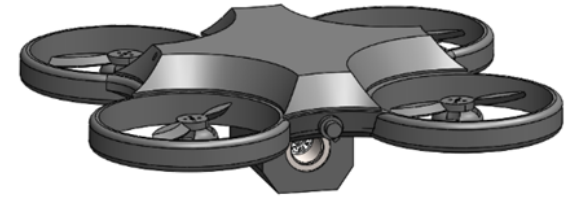




System Overview

Key Features:

- Quadrotor: provides optimized stable flight and payload versatility
- Multiple size configurations
- Modular weapon integration (directional frag, EFP, anti-armor, CIED)
- CQB Engagement: immediate weapons release with ZERO standoff
- EO/IR ISR capabilities before, during, after engagement
- POV & sensor enhanced targeting systems (Northrop Grumman)
- National Defense Authorization Act compliant



Technical Specifications	ES-sUAS	ESX-sUAS
Overall Weight	10 pounds	4 pounds
Endurance	32 min	Est. 30 min
Size	28 in x 28 in x 18 in	12 in x 12 in x 8 in
ISR (EO/IO)	FLIR Hadron, NGC AI	FLIR Hadron, NGC AI
Weapon Effects	3 Directional/EFP warheads, 5 lbs shape charge	1 Directional/EFP warhead, 1.5 lb shape charge
Current TRL	5+	4



R&D Roadmap

