Energetic Strike sUAS (ES-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
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

UNCLAS – Company Proprietary

System Overview

Technical Specifications | ES-sUAS | ESX-sUAS |
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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

US Army MSSPX
2018

SOCOM TE 19.1
2018

XTECH Search
US Army
2018

AEWE
2017-2018

RCCTO
US Army Futures Command:
1 of 42 technologies selected
out of over 500 submissions

Joint Service
SBIR 20.1
Funded proof of
concept.

Army Asymmetric
Warfare Group (AWG):
2019

MSG Pat Ireland
“Let me know when they throw
some dates up, I’ll sponsor land if
they are looking east coast at AP
Hill.”

AEWE 2021
Jan 2021

Northrop Grumman

2021 and beyond!

Seeking DOD Sponsor!

PMA-263 Integration