

ChaosTech Defense LLC

Neuro Swarm Disruptor (NSD)

Executive Summary

ChaosTech Defense develops portable, chaos-based RF counter-UAS systems for small-unit and site-level defense against swarm and mixed-drone threats. The Neuro Swarm Disruptor (NSD) gives platoon-sized teams organic electronic attack capability without the cost, complexity, or logistics burden of legacy systems.

The Problem

- Modern threats include coordinated drone swarms, DIY builds, and mixed commercial platforms that overwhelm point-jammers and traditional radar-only detection.
 - Small units (forward bases, patrols, border teams) lack affordable, deployable electronic warfare tools tailored for swarm-era counter-UAS.
 - Existing solutions are expensive, inflexible, and require high-level authorization, leaving gaps in tactical defense.
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The Solution: Neuro Swarm Disruptor (NSD)

Core capabilities:

- **Adaptive RF sensing:** Wideband scanning, edge AI classification, and protocol recognition for commercial and custom drones.
- **Chaos-based disruption:** Pseudo-randomized waveforms designed to desynchronize swarm

coordination while limiting friendly-force interference.

- **Field-ready form factors:** Handheld, mast-mounted, vehicle-integrated, and mobile kit configurations.
- **Software-updatable:** New drone protocols and threat signatures added via edge updates; no hardware swap required.

Key Differentiators

Feature	NSD	Legacy Jammers	Radar-only systems
Swarm-aware	✓ Multi-target simultaneous	Limited	No
AI/Edge intelligence	✓ Real-time learning	No	Passive only
Cost per engagement	Low	High	Very high (kinetic)
Deployment time	Minutes	Hours	Hours+
Logistics footprint	Small team	High-level support	Major infrastructure

Target Markets

- **Military:** Patrol bases, FOBs, maneuver units, border security.
- **Critical infrastructure:** Airport perimeter, power generation, communications hubs, water treatment.
- **U.S. government:** DoD, DHS, DNI counter-UAS initiatives; SBIR/STTR eligible.

Why Now

- **NDA FY2026:** Counter-UAS funding and counter-swarm priorities explicitly called out.
 - **Real-world deployment:** Ukraine, Red Sea, PRC activities demonstrate swarm and coordinated-drone threats.
 - **Market gap:** No affordable, portable, swarm-aware C-UAS platform currently deployed at small-unit level.
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Company & Roadmap

Founded: 2024 (incorporated ChaosTech Defense LLC)

Location: Washington, DC metro area

Team: Non-technical founder, seeking CTO/technical co-founder; advisory network in defense and RF engineering.

Current stage: Pre-seed; prototype in development; government engagement phase.

2025 milestones:

- Complete NSD prototype and field demo.
- Secure initial government contracts (SBIR Phase I or pilot program).
- Recruit technical co-founder and senior engineer.

2026 goals:

- Launch production NSD variants (handheld, vehicle-integrated, fixed-site).
 - Expand to allied nations (NATO partners, Japan, South Korea).
 - Scale manufacturing and logistics partnerships.
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Funding & Use of Capital

Target raise: \$500K-\$1M (seed)

Allocation:

- 50% Engineering & prototyping (CTO hiring, RF/AI development)
 - 25% Government contracting & compliance (CAGE, DIU engagement, test & eval)
 - 15% Sales & business development (pilot programs, integrator partnerships)
 - 10% Operations & overhead
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Contact

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Request: Secure briefing, pilot program inquiry, or partnership conversation.

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