

# ChaosTech Defense LLC

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## Neuro Swarm Disruptor (NSD)

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### 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.

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### 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.

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## Key Differentiators

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

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## 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.

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# Why Now

- **NDAA 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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