1 Anti-Helicopter Systems

Enhanced Vertical Launch Drone Platform

Enlarged and reinforced airframe based on proven vertical launch drone architecture, specifically engineered for **anti-helicopter operations** with enhanced payload capacity and flight dynamics.

Doppler Fuzing Technology

Advanced **Doppler-based proximity fuzing** system that recreates the functionality of VT (Variable Time) fuzes, ensuring optimal detonation timing for maximum effectiveness against rotary-wing targets.

Proximity Detection | VT Fuze Recreation | Enhanced Payload | Anti-Helo Optimized

2 Advanced Communications & Deployment

RCWL Emplaced Devices

Radar-based motion detection devices deployable via drone for **persistent area monitoring**. Enables remote surveillance and early warning capabilities in contested or inaccessible terrain.

Fiber Optic Communications

Universal fiber-optic drone systems fully compatible with both **Betaflight and ArduPilot platforms**. ArduPilot integration is preferred for advanced automation capabilities and seamless integration with USV mother ship operations, providing enhanced mission flexibility and control.

> #### Current Operational Deployment
>
> Fiber drones are currently deployed in active **Haiti operations**, successfully operating under dense canopy cover surrounding gang-controlled territory to identify and map ratlines. These systems are also operational in Port-au-Prince, delivering **100% reliable communications** in challenging urban environments regardless of terrain obstacles or interference.

RCWL Sensors | Fiber Optic | ArduPilot Compatible | Canopy Penetration | 100% Reliable Comms

3 AI Integration & Mother Ship Systems

Mother Shipped Drone Operations

Magura-style USV platforms capable of deploying and recovering multiple drones for extended range operations. Enables persistent surveillance and engagement capabilities beyond traditional operational limits.

Pixel Lock Kamikaze Systems

Advanced target acquisition systems utilizing **precision pixel locking technology** for autonomous engagement capabilities. Currently developing enhanced target identification systems for UXO detection and classification using exclusively 3D rendered training datasets, ensuring enhanced safety and accuracy without live ordnance exposure.

> #### Advanced Target Identification Development
>
> Ongoing development of cutting-edge **UXO identification and classification systems** utilizing advanced computer vision trained exclusively on 3D rendered datasets, eliminating the need for live ordnance exposure during development and training phases.

USV Integration | Pixel Lock | Neural Networks | UXO Identification | 3D Render Training | Autonomous Engagement