WildlifeOS™ / CrocAlarm™

AI infrastructure for wildlife risk — starting with real-time crocodile and alligator detection in Florida's waterways.

Protecting people and pets where wildlife and human habitats intersect.

CrocAlarm is a sonar-first AI system designed to detect crocodilians near people in Florida communities and alert them in near real time. It is the wedge product for WildlifeOS — the intelligence layer for wildlife risk across species and geographies.

15,000–20,000
Alligator-related public calls / year in FL alone

250K–400K
Targetable high-risk sites statewide

76K–100K
Stormwater ponds statewide (UF/IFAS)

The Problem

No real-time detection system exists today. Current responses are static signage, intermittent patrols, and reaction after a sighting — not prevention. Despite relatively few fatal attacks, this volume of reports creates constant response costs, public fear, and political pressure for the agencies and property managers responsible for public safety. Pets are frequent, quietly under-tracked victims: Florida agencies formally track human bites, not pet fatalities, so no official count exists at all. The real number is almost certainly far higher than anything on record — and it happens at the same docks, canals, and backyard ponds this product is built to watch.

The Solution

CrocAlarm is built around imaging sonar — chosen because it works where cameras fail: murky water, darkness, heavy vegetation, and zero-visibility conditions. Autonomous, solar-powered sonar nodes mounted at the water's edge feed an edge AI classification pipeline, dispatching alerts to a community dashboard and mobile app in an illustrative <2 second window from initial contact.

Why Now

Rapid waterfront development, rising liability standards for HOAs/municipalities/insurers, and recent edge AI advances now make continuous, real-time wildlife monitoring technically and economically viable for the first time — and no established incumbent owns wildlife risk intelligence today. Fatality count is the wrong measure: compare this to cybersecurity, where budgets aren't sized to how often a breach occurs but to the catastrophic cost when it does. A single crocodilian incident at an HOA, resort, or municipality carries the same asymmetry.

Market Opportunity

Layer 1 — Florida Wedge
~250K–400K targetable sites. $250M–$400M hardware TAM. $300M–$720M SaaS ARR potential.

Layer 2 — Global Predator Expansion
Crocodiles & alligators: $2B–$5B+ annual impact. Sharks: $500M–$2B+, driven by liability and tourism disruption.

Layer 3 — WildlifeOS Platform
Multi-species expansion across snakes, large mammals, agriculture. Broader category: $50B–$200B+ annual economic impact.

Florida is the proving ground, not the ceiling: crocodilians are documented in 87 countries with an estimated 1,000 fatal attacks worldwide each year, and governments already spend tens of millions on shark mitigation (nets, drones, patrols) with no real-time detection layer behind any of it.

Technology & Stage — Honestly Stated

A structured system-architecture and requirements-definition phase is underway with our hardware engineering partner, Impact Electronic Solutions. Candidate imaging sonar platforms are under formal evaluation, prioritized on identifiable target range rather than headline maximum range. Field deployment and real-world detection validation have not yet occurred — we believe an infrastructure company earns trust by being precise about its stage. We are actively expanding our advisory bench to add dedicated aquatic-acoustics expertise as the program moves into field trials.

Competitive Landscape — Why Hasn't This Been Built?

Consumer camera security (Ring, Verkada, Nest) is built for above-water, well-lit threats and fails exactly where crocodilian risk lives. Wildlife camera traps are built for land-based species research, not continuous underwater alerting. Marine and defense sonar is mature, but no one has built the edge AI classification layer or commercial packaging for a residential/municipal safety buyer. The real competitor today is static signage and manual patrols — reactive tools that scale with headcount, not software. The category is open because it sits between industries.

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Business Model

Enterprise & Municipal
Multi-year bundled agreements, $25K–$150K+ annually, combining hardware, SaaS, integrations, SLAs, and support.

SaaS Subscriptions
Recurring $100–$150 per device/month for real-time detection, alerts, analytics, OTA updates, and API access.

Hardware & Services
Equipment revenue plus selective, high-margin services for complex installations and integrations.

Unit economics: today's best sonar is priced for survey/defense budgets ($30K+/unit), but a newer OEM-ready generation is already far cheaper. We prove detection first, then shift sourcing to OEM manufacturing to hit HOA/municipal-scale pricing — hardware margin was never the primary revenue driver above.

Team

Rodolfo Saccoman, MBA — Co-Founder / CEO / CGO. MBA, Cornell University / University of Miami. Serial founder with prior exits and $20M+ raised. Leads commercialization, capital strategy, and the investor narrative.

Dr. Noel Elman, PhD — Co-Founder / Chief Scientist. PhD: Tel Aviv University / MIT / Cornell. 20+ years leading federally funded programs (NSF, USDA, NOAA). Owns deep tech and R&D.

Adam Benzion — Edge AI & Hardware Advisor. Director at Qualcomm. Co-founder/CEO of Hackster.io (acquired by Avnet). Early investor/CXO at Edge Impulse (acquired by Qualcomm).

Built within a serious ecosystem: NVIDIA Inception member, Florida Venture Forum Spotlight Company (2026), 20+ granted patents held by founders from prior ventures.

The Ask

$1,000,000 Pre-Seed SAFE · $8,000,000 post-money valuation cap · targeting a close in Q4 2026.

This round funds the creation of the first proprietary wildlife sonar dataset while advancing CrocAlarm from early prototype to a validated, field-tested detection system ready for pilots and early revenue.

Use of Funds — 18-Month Runway

Product & Engineering	Design, build, and iterate v1 sonar hardware, edge AI models, power systems, and ruggedized enclosures.	**50%**
Field Testing & Validation	Controlled and early real-world field testing of detection performance and false-positive rates.	**20%**
Data & AI Development	Initial proprietary sonar datasets and behavioral models, establishing the data moat.	**15%**
Go-to-Market Preparation	Customer discovery, pricing validation, and deployment models ahead of pilot programs.	**10%**
Operations & Compliance	Corporate operations, compliance groundwork, certifications, and supply chain prep.	**5%**

Capital Strategy — Dilutive + Non-Dilutive

This SAFE is designed to run in parallel with non-dilutive funding. Dr. Elman has spent 20+ years as a Principal Investigator on NSF, USDA, and NOAA federally funded programs — we intend to actively pursue SBIR/STTR and related grants alongside this round to extend runway without added dilution.

> *"This is our opportunity to build something genuinely transformative — technology that saves lives, protects wildlife, generates unprecedented ecological data, and creates substantial economic value. CrocAlarm creates an entirely new category in environmental safety. Let's make this happen."*
>
> *— Rodolfo Saccoman & Dr. Noel Elman, Co-Founders*

Contact
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18-Month Objectives
Repeatable sonar detection performance · production-ready v1 platform · initial proprietary dataset · readiness for pilots, non-dilutive funding, and a subsequent Seed round.

