Halo Technologies Inc.

www.thehalochip.com

HALO TECHNOLOGIES INTRODUCES

THE WORDS FIRST

SELF-POWERED GPS MICROCHIP FOR PETS, WILDLIFE, AND LIVESTOCK

Presented By : Ezekiel Shannonhoue

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THE PROBLEM

Missing Pets. Missing Protection

Over 10 million pets go missing every year in the U.S. alone. Standard microchips can't track location—they only work if a pet is found and scanned. GPS collars are bulky, removable, and unreliable. When a pet disappears, these tools often fail. HALO changes that.

Every minute matters when a pet goes missing. Current solutions offer no real-time tracking, no proactive alerts, and no way to pinpoint a pet's location. Owners are left posting flyers, waiting for phone calls, and hoping for a miracle. It's outdated, unreliable, and emotionally devastating.

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OUR SOLUTION

THE HALO CHIP

Real-Time Location

The HALO Chip provides precise, real-time GPS tracking directly from inside the animal. Unlike collars or tags that can fall off or be removed, the implant ensures location data is continuously accessible—giving owners and institutions instant peace of mind.

Self-Powered Tech

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Tamper-Proof Security

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BLE & RF Connectivity

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MARKET OPPORTUNITY

The Pet Tech Market is Massive — and Growing

The global pet tech market is valued at $7.63 billion and projected to surpass $20.25 billion by 2030. GPS, health monitoring, and smart devices continue driving demand — with tracking technology leading growth. HALO enters as the first subdermal, self-powered GPS implant in this category.

Expanding Across Pet, Wildlife, and Defense Markets

HALO's technology extends far beyond pets. It is engineered for zoos, conservation programs, and wildlife sanctuaries, enabling collarless, long-term GPS tracking across both terrestrial and marine species. HALO also supports livestock operations, providing continuous tracking and health monitoring for agricultural herds — improving biosecurity, supply chain visibility, and operational efficiency. Built as a cross-species tracking platform, HALO is positioned to become a core layer of global animal health, monitoring, and conservation infrastructure. And from there, it only expands.

HALO Technologies is positioned inside a $41B+ Global Animal Health, Tracking & Conservation Ecosystem

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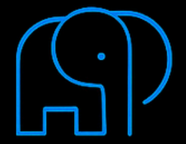
PET TECH MARKET

$7,63B → $17.2B

2024 - 2030

CAGR 14,56%



WILDLIFE CONSERVATION MONITORING

$1.8B → $16.5B

2023 - 2032

CAGR 28,4%

LIVESTOCK MONITORING

$4.42B → ~$7.7B

2024 - 2030

CAGR 11,8%

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HOW THE HALO CHIP WORKS

Subdermal Implant Design

The HALO Chip is a subcutaneous GPS implant injected under the skin with a small-gauge syringe. Once implanted, it provides real-time GPS tracking powered by proprietary energy harvesting technology, enabling long-term, maintenance-free operation without collars, tags, or external devices.

Self-Powered Technology

HALO runs on a solid-state microbattery supported by advanced energy harvesting systems, including thermoelectric generators (TEG) that convert body heat and piezoelectric layers that capture motion. This self-sustaining system enables long-term, maintenance-free operation without external charging — delivering true subdermal GPS tracking in a compact, injectable device.

Real-Time Location Intelligence

HALO stays in a deep sleep when no movement is detected, conserving power at all times. It automatically wakes when movement occurs or when the chip exits a designated safe zone. Real-time GPS tracking activates only when needed, ensuring precision without draining energy.

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KEY FEATURES

HALO combines next-gen sensors, adaptive software, and seamless cross-species compatibility into a single, injectable device. From autonomous energy harvesting to real-time GPS and multi-animal support, these features aren't just cutting-edge—they're completely unmatched in the tracking space. Together, they create a closed-loop ecosystem that delivers trust, protection, and peace of mind at every level.

Wake-on-Motion GPS

The chip remains in a low-power state until it senses movement or exits a designated safe zone. When activated, it acquires a GPS fix and transmits precise location data in real time. This approach maximizes battery life while ensuring you never miss a critical movement.

Self-Sustaining Power

HALO's solid-state microbattery is continuously recharged by harvesting body heat and kinetic energy. There's no need for external chargers, docks, or battery swaps. The result is truly hands-free, long-term operation without user intervention.

Multi-Species Implant Compatibility

Engineered for pets, livestock, and wildlife. the HALO Chip is a one-size-fits-all subdermal solution. It eliminates the need for collars, tags, or external devices that can be lost or removed. Whether you're tracking a dog or monitoring an endangered species, one implant does it all.

Adaptive Cross-Platform App

The HALO App detects your user role—biologist, conservationist, farmer, or pet owner—and presents the tools you need. It offers real-time maps, alerts, and analytics tailored to each use case. Available as a mobile, tablet, and desktop application, it delivers full feature parity across devices.

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BUSINESS MODEL

Halo Technologies generates revenue through implant sales, recurring software services, and strategic partnerships across consumer, conservation, and defense verticals.

Implant Unit Sales

We sell the HALO Chip as a one-time purchase at $299 per implant, covering device cost and initial implantation kit. Vets, wildlife agencies, and field medics order direct, driving immediate hardware revenue.

Software Subscription

An annual or monthly subscription unlocks the full HALO App suite—real-time tracking, safe-zone alerts, and data analytics. Includes 24/7 customer support, firmware OTA updates, and premium mapping integrations.

Institutional Partnerships

We partner with zoos, conservation groups, marine research institutes, and large-scale livestock operators under multi-year agreements. These contracts include bulk device orders, customized dashboards, enterprise analytics, and dedicated integration support.

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MARKET STRATEGY

We're launching HALO via veterinary and wildlife channels before expanding into direct-to-consumer and defence partnerships. Initial pilots with leading zoos and clinics will prove efficacy, then we'll scale through national distributors, government programs, and our own e-commerce platform.

Animal & Conservation Deployments

We're rolling out HALO implants through veterinary hospitals, wildlife reserves, and zoos to protect pets and endangered species.Institutional partnerships and grant-backed pilots generate case studies that fuel broader deployments.

Livestock & Enterprise Deployments

We're expanding HALO into large-scale livestock operations, including cattle, dairy, poultry, and equine industries. Bulk deployments enable herd-level tracking, health monitoring, and biosecurity oversight at national and global scale. These enterprise partnerships drive recurring revenue through device sales, software subscriptions, and data-driven management services.

TARGET & EDUCATE

Outreach to veterinary hospitals, zoos, conservation groups, and wildlife sanctuaries, with pilo proposals, Present at veterinary conferences, agtech expos, wildlifie conservation summits to establish credibility.

PILOT & VALIDATE

Run pilot programs across:
- Companion pets (dogs, cats)
- Livestock herds (cattle, sheep, poultry)
- Wildlife sanctuaries (marine + terrestrial speces)

DEPLOY & ONBOARD

Roll out full implant kits, livestock-scale deployment bundles, and zoo/conserva-tion kits with technician and veterinary training program.

SCALE & EXPAND

Leverage pilot data to scale across:
- National veterinary chains
- Giobal livestock operations
- Wildlife conservation networks

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COMPETITIVE ANALYSIS

Unique Selling Points

We've created the worlds first implantable GPS microchip that delivers subdermal, live-tracking for animals and humans as well as harnessing a self-sustaining power system—that helps keep the halo chip continuously online, a feat unheard of in any implantable device. Every spec and piece of our product is supported by a broad, patent-protected IP portfolio covering everything from the battery to the antenna making access exclusive to HALO.

Market Positioning

Traditional RFID microchips require manual scanning and offer no live location data, while GPS collars are bulky, visible, and easily removed or damaged — leaving pets, livestock, and wildlife vulnerable to loss, theft, or harm. HALO bridges this gap with a permanent, subdermal implant that delivers real-time, maintenance-free GPS tracking. We're bringing HALO to market first through veterinary clinics, livestock operations, and wildlife conservation programs — unlocking entirely new verticals in pet safety, herd management, and species preservation that no other solution can reach.

FEATURE	PASSIVE RFID MICROCHIP	GPS COLLAR	HALO CHIP
Permanent Implant	✓	✓	✓
Real-Time GPS	✓	(delayed)	✓
Maintenance-Free	✓	✓	✓
Tamper-Resistant	✗	✓	✓
Battery Life	N/A	1–3 days	Continuous (self-powered)
BLE Beacon	✗	Daily	No
Subscription	✗	Monthly fee	Yes

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MILESTONES

EARLY MILESTONES & STRATEGIC PROGRESS

Utility patent filed

We've officially filed both a provisional and a utility patent to protect the HALO Chip's foundational technologies. These filings cover everything from subdermal implant design to our proprietary GPS, energy harvesting, and communication systems—ensuring HALO is fully shielded from replication and positioned as the first and only solution of its kind.

Engineering Validation

Our engineering team has completed HALO's system-level design and sourced components for our initial builds. With firmware architecture mapped and electrical simulations completed, we're now entering early-stage fabrication—turning technical feasibility into a functional prototype.

Partnership With Cicor Manufacturing Giant

We've teamed up with CICOR, a global leader in high-precision electronics and micro-assembly, to mass-produce the HALO Chip to ISO 13485 and ISO 10993 standards. With CICOR's state-of-the-art clean-room facilities across Europe and Asia, we can rapidly scale from prototype to tens of thousands of units per month while maintaining strict biocompatibility and traceability.

Prototype Underway

We've already started building our prototype and have made strong progress toward a functional MVP. We're now seeking a small bridge round to secure the remaining funds needed to finalize development and launch our pilot.

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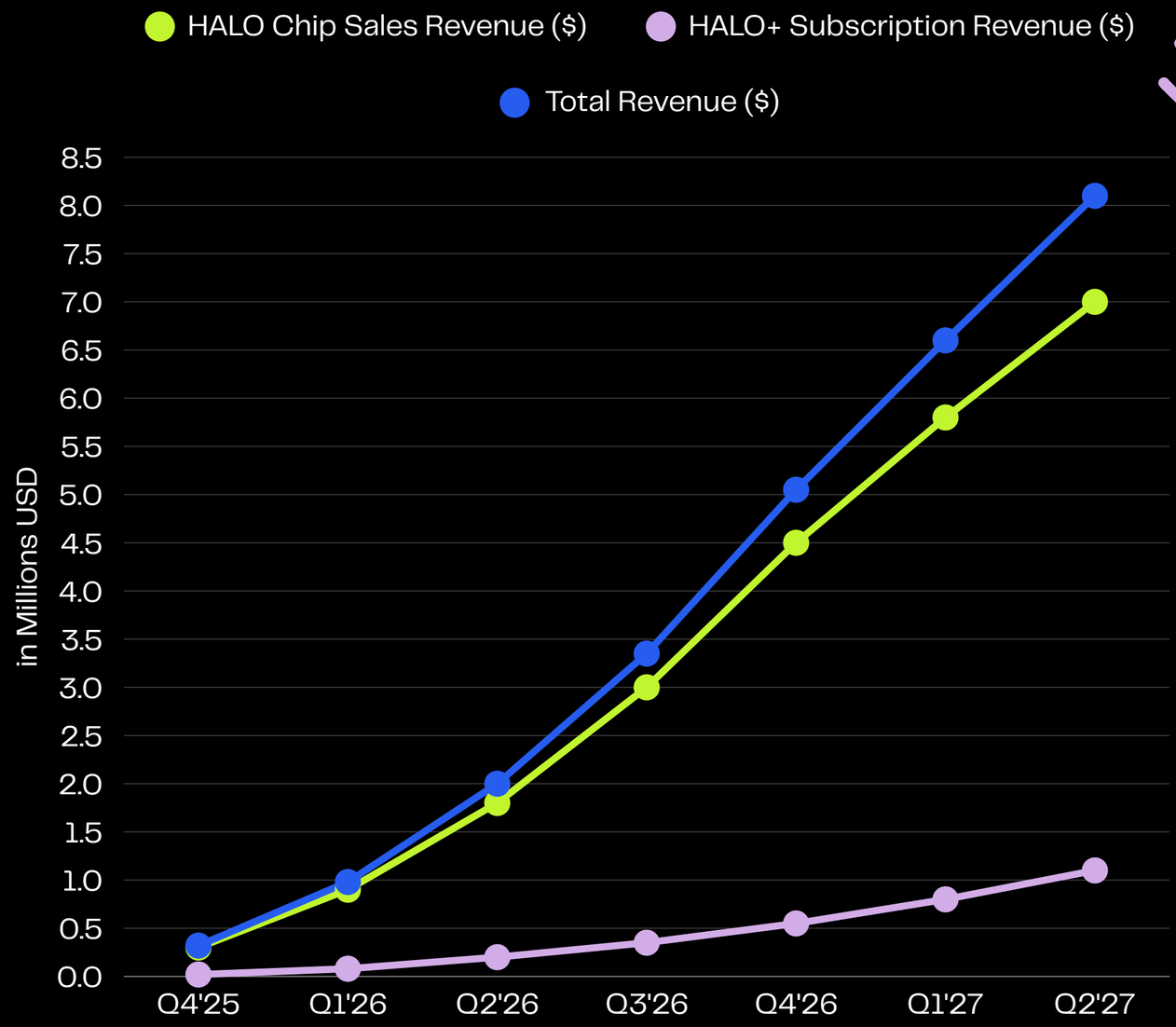

FINANCIAL PROJECTIONS

We project $11.5M in revenue by Q4 2026 after launching commercially in Q4 2025. With 85% profit margins and recurring subscription revenue, HALO is positioned to lead the global animal tracking market across pets, livestock, and wildlife — with no direct competition.

Cost structure

Our cost structure is built for high margins and lean scalability. Each HALO Chip costs 4–7 dollars to produce in bulk, plus $3–5 for packaging and injection. GPS/BLE software services average $1–2 per active user monthly. Customer support and admin scale efficiently, while CAC currently sits at 20–30% but will decline with brand growth. R&D is lean and milestone-based, funded through reinvested revenue.

Profit margins

Customers can purchase the HALO Chip for a one-time $299, which includes 1–2 emergency GPS pings per month. For real-time tracking and added features like step counts and safe zones, HALO+ Premium is available for $12.99/month. . With lightweight hardware and self-sustaining tech, HALO maintains profit margins exceeding 85% across hardware and subscriptions.

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FOUNDER

MEET THE FOUNDER

FOUNDER

EZEKIEL SHANNONNHOUSE

Biomedical engineering student building the world's first self-powered GPS implant

- Completed HALO prototype design & lab validation
- Filed patent applications on power-harvesting implant tech
- Published peer-reviewed white paper on subdermal thermoelectric energy harvesting

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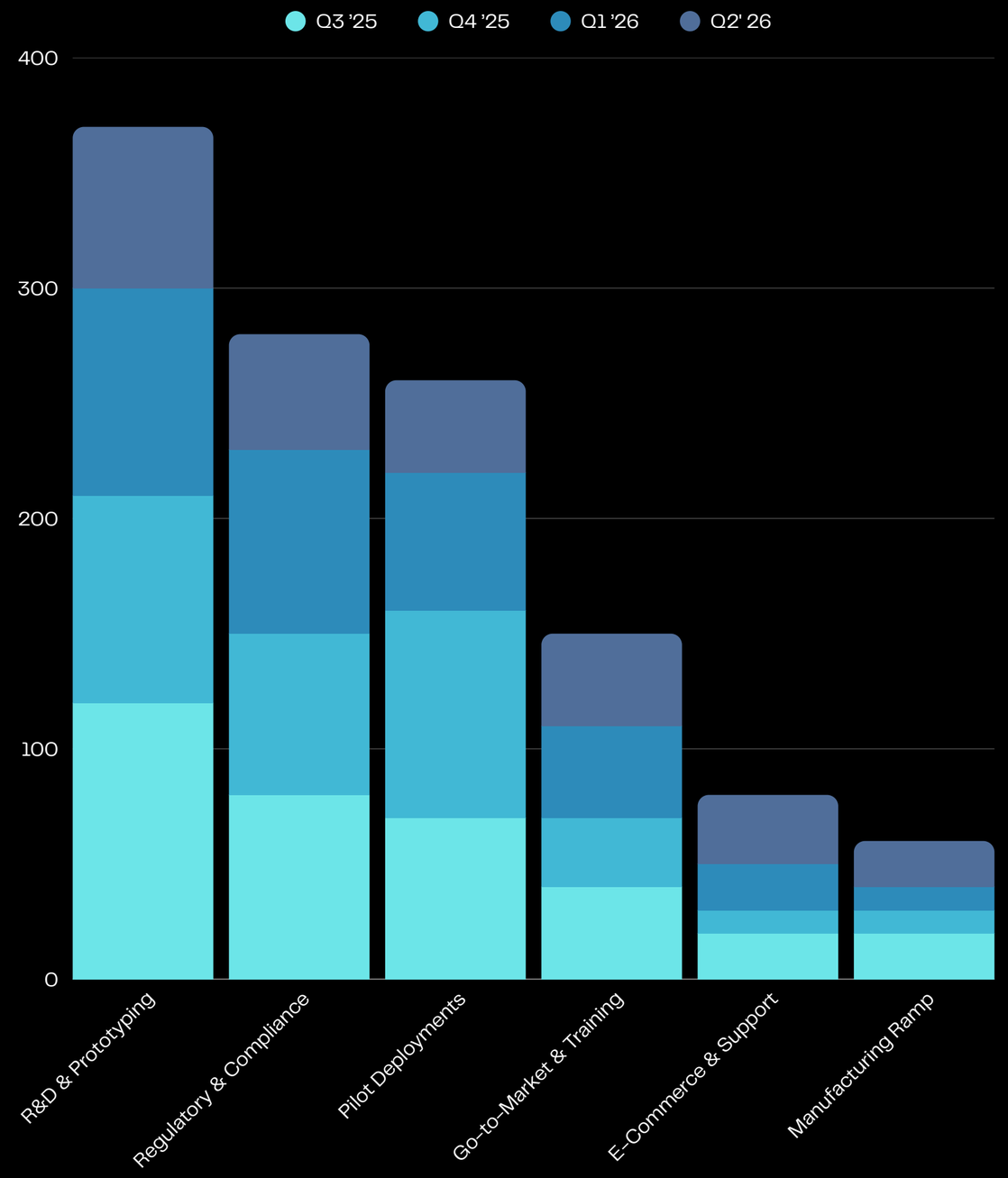
FUNDING REQUIREMENTS

Raising $1.2M to finalize HALO prototyping, complete certification, and deploy 1,000 implants across clinics, wildlife, and livestock by Q4 2025.

Quarter	Budget($K)	Key Milestones
Q3' 25	350	Finalize prototype, biocompatibility & FCC testing, prep initial implant kits.
Q4' 25	300	Complete testing, start vet, wildlife & livestock pilots, begin e-commerce sales.
Q1' 26	300	Expand to 50 clinics, 10 wildlife sites, 5 livestock partners, scale production.
Q2' 26	250	Full commercial rollout, manufacturing optimization, global partner expansion prep.



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THANK YOU SO MUCH

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