



Iron Heart Systems^{PBC}

THE PLANETARY PROTECTION COMPANY

PRE-SEED · POST-MONEY SAFE · AUGUST 2026

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1 ballistic missile = *10+* warheads + *100+* decoys.

Tradition answers every object with multiple kinetic interceptors at up to \$100 million/ea.

Cost prohibitive long-term.
Adversaries exploiting today.

THE PROBLEM

Rebuild runs *years*. We are *vulnerable*.

THE WHITE HOUSE halted an air campaign,
over insufficient kinetic interceptor stocks.

Multiple nations are heavily investing
in the low-cost solutions.

THE REALITY

That solution is our *Space-Based Laser (SBL) systems*
which hold every adversarial missile
at risk moments after launch.

We *flood the orbital zone* with
cheap, feasible, effective, and
rapidly manufactured capability.

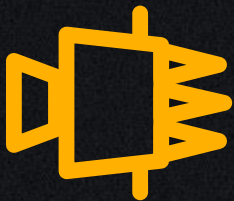
THE ANSWER

One shot *defeats the threat*. Deterrence by orbital denial is *affordable*.

In boost the missile is still one object: large, hot, slow, and over its own launch site. Kill it there and everything it would become never exists; the wreckage falls on the attacker. The shot costs electricity and the platform re-fires, so denial holds at a price the attacker cannot beat. Launching stops paying. That is affordable deterrence.

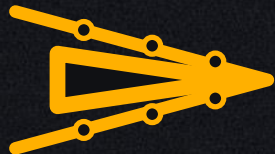
180 s+

SOLID-BOOSTER BURN,
THE WINDOW TO ACT



10+

WARHEADS AND DECOYS,
TERMINATED WITH THE BOOSTER,
PRE-SEPARATION



~\$5

MARGINAL LASER SHOT,
PROVEN IN COMBAT AT
THE TACTICAL TIER



0

INTERCEPTORS EXPENDED,
THE MAGAZINE IS
THE POWER BUS



THE WHY • THE DEMAND IS ACCELERATING

Golden Dome is funded now. *Platinum Dome* is the future next.

The demand is structural, not political: a \$151B MDA SHIELD IDIQ ceiling, EO 14369's 2028 prototype deadline, and a CBO price of 7,800 satellites and \$1.2 trillion for the kinetic-only answer, while this summer emptied the interceptor magazine faster than industry can refill it. Program names will change; the multiplication problem and the money to answer it will not. We anticipate long-term customer contracts, agnostic to administration and congressional objective changes.

\$24.4B

FY26 GOLDEN DOME
APPROPRIATED, P.L. 119-21

\$3.2B

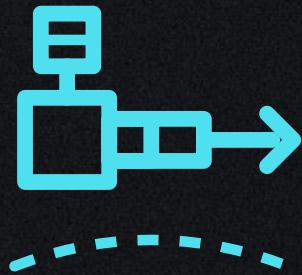
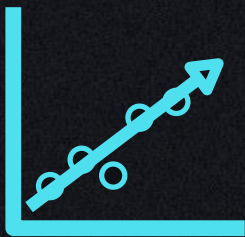
FY26 SBI PROTOTYPE OTAs,
12 COMPANIES AWARDED

\$17.5B+

FY27 GOLDEN DOME REQUEST

\$452M+

FY27 DIRECTED-ENERGY LINE,
GOLDEN DOME



The World is *short* a put on catastrophe. We sell the *global hedge*.

How do you right-size international stability for world economies? We ran the numbers. Each lens is a strict subset of the last, so the served market reads conservative, and the position is long volatility: the hedge appreciates when the world destabilizes. Directed energy inverts the vendor model too: interceptors sell consumption; laser platforms sell capacity that re-fires. Government R&D buys in now; prime-integrated payloads buy at scale; allied programs follow.

\$48B/yr

PROCUREMENT TODAY
MISSILE DEFENSE +
DIRECTED ENERGY

~20%

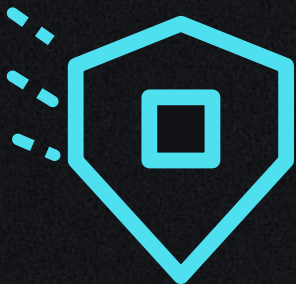
CAGR THROUGH 2030
DIRECTED ENERGY

\$26.8T+

LOSS AVERTED
BY DETERRENCE AND DENIAL

\$63.7T

EXPECTED NPV LOSS
BY NUCLEAR CONFLICT
UNDEFENDED



Defense is the first customer. Civil is the exponential benefactor.

Most entrants build commercial-first and plan to harden later. We invert the order deliberately. Defense requirements are a strict superset of commercial ones, and a system built to the warfighter’s needs transitions cleanly into every civil market, while a system built to commercial fails conventionally. Defense-first is not a compromise, it is the value-maximizing sequence at ~55% lower market entry cost.

\$174B+	\$130B+	\$65B+	\$101B+	\$87B+
Space-Based Directed Energy	Orbital Power Beaming	Orbital Debris Mitigation	Deep-Space Propulsion	Deep-Space Comms
MILITARY APPLICATION	COMMERCIAL APPLICATION	COMMERCIAL APPLICATION	COMMERCIAL APPLICATION	COMMERCIAL APPLICATION
MULTIMODAL DEFENSE CAPABILITIES	TRANSMIT TERRESTRIAL AND ON-ORBIT POWER BETWEEN NETWORKED NODES	DEORBIT HAZARDOUS OBJECTS AND PROTECT ON- ORBIT INFRASTRUCTURE AND SPACE STATIONS	ADVANCED SPACE-GRADE FISSION/FUSION REACTORS AND PROPULSION STACKS	VERY HIGH POWERED COMMERCIAL COMMUNICATIONS NETWORK

The utility of a commercialized defense technology company is compounding across multiple industries; not exhaustive but known technology subtrees: Semiconductor, Healthcare, Telecommunications, Industrial & Additive Manufacturing, and Terrestrial & Space Energy. We intend to capitalize intensely on commercial markets from the high ground advantage of a superior vertically integrated technology stack and secure supply chain.

We are planning for a portfolio of defense technology capabilities with holistic commercialization potential. The aforementioned is only one segment of several.

A space-grade laser *proven on the ground*, then *proven on-orbit*.

A several kilowatt-class pulsed laser demonstrator: beam control, beam combining, precision pointing, solid-state adaptive optics, multi-modal pulsed low-duty design that closes the power and thermal budgets, integrated on a commercial satellite bus. Optimized spacecraft design is deferred until later technology maturity, geopolitical instability, or scaled to funding and customer demand signal. We build at the frontier.

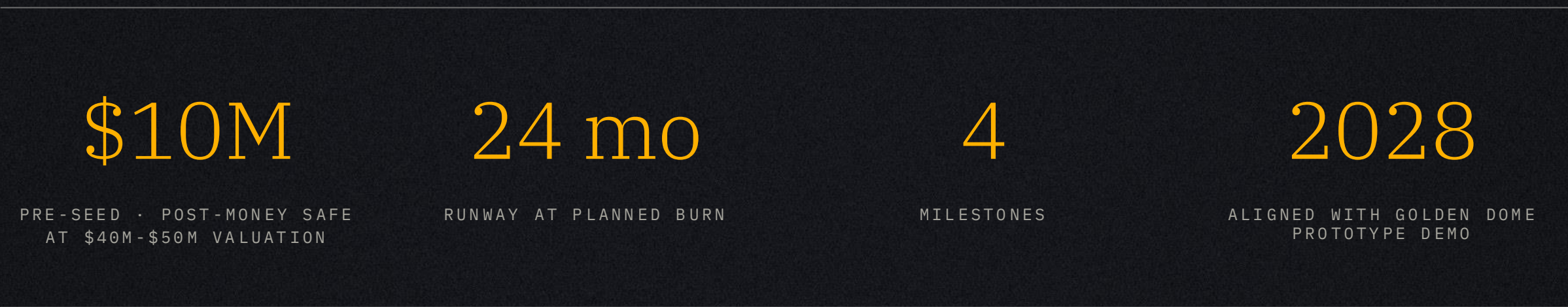


Immediate customers with the U.S. Army, U.S. Navy, U.S. Air Force, and Missile Defense Agency are heavily considered for near-term defense customer technology partnership. Foreign Military Sales (FMS) and cooperative development customers have been identified with provisos and advisory opinions submitted to the U.S. State Department and with DDTC registered USML classes; for intended multiple programs. Registered as Exporter/Manufacturer; ITAR/EAR restrictions apply.

THE ASK

Pre-seed raise buys the seed round’s evidence.

Matures prototype designs in hardware (procurements pending funding) and software (in-development). Multiple intellectual property (IP) lines have been started and shown in progress to support multiple product lines of effort across hardware and software. Each equally compounds to deliver accelerated R&D to engineered design and implementation in the physical world. TRL 2 --> TRL 6.



Milestones: federal R&D award, Q4-2026 to Q1-2027; integrated article first fire to published pass and fail criteria, Q2-2028; executed demonstrator or prime teaming agreement, Q4-2028. Allocation: 55% team, 20% bench build, 25% compliance and reserve (subject to change). STRATFI matching turns each private dollar into up to three.

We are a native *human-AI collaboration* and integrated company.
Yes, we already have novel IP.

FOUNDING ENGINEER

- 10+ years in Industry and Federal Government
- End-to-end full-stack missile and systems engineering and program management lifecycle
- Defense ecosystem operator, specialist, and novelty assessor
- Polymathic generalist, reverse-engineer, diplomatic negotiator, and systems-of-systems integrator
- Very deep threat awareness

FOUNDING HERITAGE

- Space-Based Interceptor (SBI)
- Glide Phase Interceptor (GPI)
- Standard Missile (SM-2, SM-6, SM-3)
- Tactical Tomahawk (TLAM) Cruise Missile
- AEGIS Missile Defense System
- Ballistic Missile Defense System (BMDS)



Eric A. Smith

PRESIDENT, CEO, & CO-FOUNDER
IRON HEART SYSTEMS PBC



Claude Fable 5 Max

CO-FOUNDER AI
ANTHROPIC PBC

*Solo-founder companies of this magnitude in the most difficult defense subsector, highly regulated, and compliant environment during a geopolitical transitory period of multipolar instability *require human teams*.
*Capital allocation and funding makes that happen.**

*Artificial intelligence can only accelerate the *bicycle of the mind*.
Humans orchestrate the direction and velocity to turn the bicycle.*

HIRING · POST-CLOSE

- Founding finance officer
- Founding science officer
- Founding operating officer
- Senior technical lead, beam control
- Senior technical lead, power and thermal
- Senior technical lead, materials
- Senior technical lead, software
- Additional team build-out and execution, as funding scales

IP GUARANTEES

- We don't offer novelty without security guarantees from the Federal Government and Artificial Intelligence Suppliers.
- Data ownership, privacy, and creative endeavors are paramount to maintaining business confidentiality and profitability, while securing national objectives.
- We do trade secrets.

$$I_{\text{target}} \propto \underbrace{\left(\frac{D}{\lambda}\right)^2}_{\text{disruption}} \times \underbrace{\frac{P \cdot S}{R^2}}_{\text{innovation}}$$



Per Aspera,
Ignem Servamus

THROUGH HARDSHIP, *WE KEEP THE FLAME*

IRON HEART SYSTEMS PBC
LOS ANGELES, CA · IR@IRONHEARTSYSTEMS.COM · UEI XP3RGMUFJKF7 · CAGE 21LS9



Our corporate structure exploits the
cost-exchange and competitive economics of missile defense
through a *for-profit* public-benefit and mission-drive.

One which Ronald Reagan's SDI never conceived,
pacifist Chief Scientists continue to object,
and today's defense analysts agree wins.

We share the *same thesis, different methodology.*

"SPACEPOWER IS INHERENTLY COOPERATIVE" USSPACECOM, SWE 2040

Our mission-drive is to strengthen the
defense of the United States and its allies.

“...to advance *collective defense* technology and
planetary protection for *the long-term security of humanity*
through international cooperative defense systems.”

MISSION AND PUBLIC BENEFIT · FROM THE CERTIFICATE OF INCORPORATION

THE VISION · PLANETARY DEFENSE

KINETIC IMPACTORS (CIVIL) + DEEP-SPACE COMMERCIALIZATION

