Pitch Deck

Graviron Aerospace

Reusable Orbital Drones for Space Debris Removal, In-Space Manufacturing & Future Asteroid Operations

Low-cost. Fully Reusable. Glide Return.

Backed by: NVIDIA INCEPTION PROGRAM · aws startups

Year
2026

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www.graviron.space

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The Problem

Earth’s orbit is becoming dangerously congested.

Rapid growth of satellite constellations. Thousands of pieces of debris creating collision risks

Current solutions are extremely expensive, single-use, and lack real interaction or recovery capability

This creates long-term operational risk and limits sustainable space activity.

Why Current Solutions Fail

Single-Use Missions

Most orbital cleanup systems are discarded after one operation, making missions extremely expensive.

No Reusability

Existing vehicles lack controlled atmospheric return and recovery capability.

Limited Orbital Interaction

Current systems are not designed for scalable, autonomous capture and reusable operations.

Our Solution

Graviron is building low-cost, fully reusable 3D-printed orbital drones capable of:

01.

Precise autonomous navigation

02.

Controlled capture and interaction with objects in orbit

03.

Safe, controlled glide re-entry and recovery

Our Approach

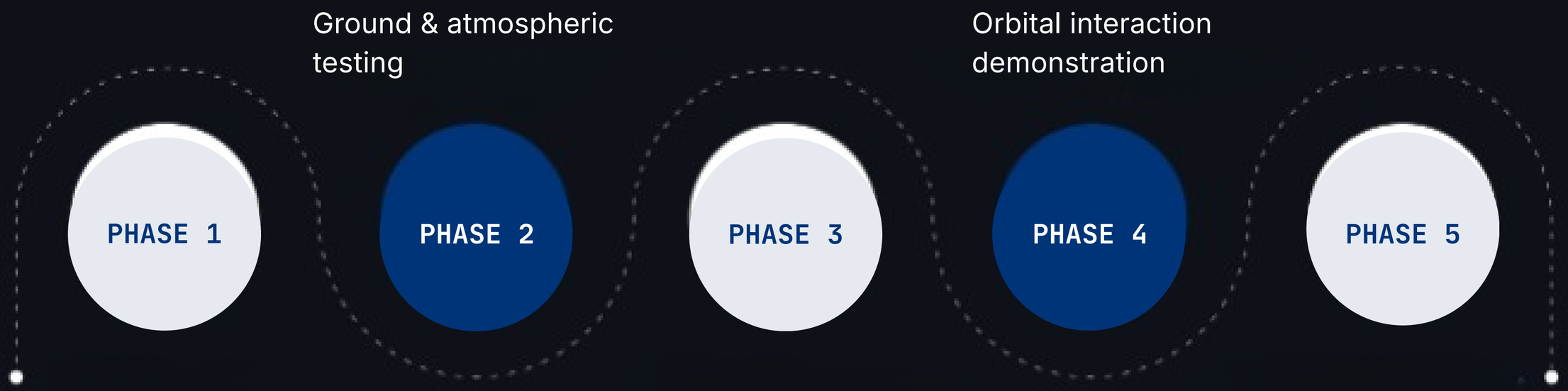
Reusability-first design using 3D printing and glide-based return

Autonomous orbital intelligence layer for target prioritization and risk assessment

Incremental validation approach beginning with ground testing, atmospheric testing, sub-orbital demonstrations, and future orbital systems validation.

Technical Validation Roadmap

Incremental development approach for reusable orbital systems



Traction & Progress

- Built and tested 3D-printed capture mechanism (vibration, drop, thermal, and bench tests)
- Developing autonomous orbital guidance and debris prioritization systems
- Advancing incremental validation through simulation and prototype testing
- Early commercial interest with satellite operators; discussions underway with multiple potential customers.

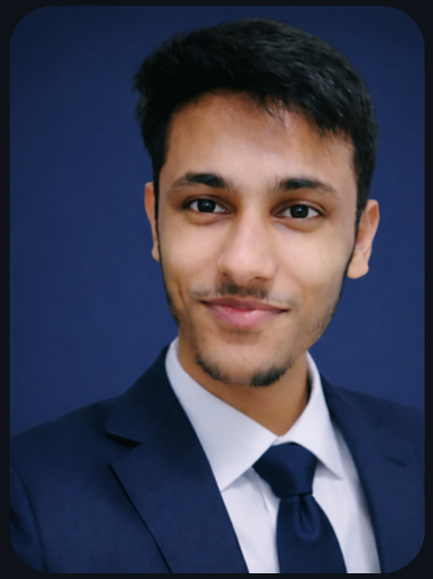
Long-Term Vision

Graviron is building the foundational reusable orbital vehicles for the era of space infrastructure & In-Space Manufacturing.

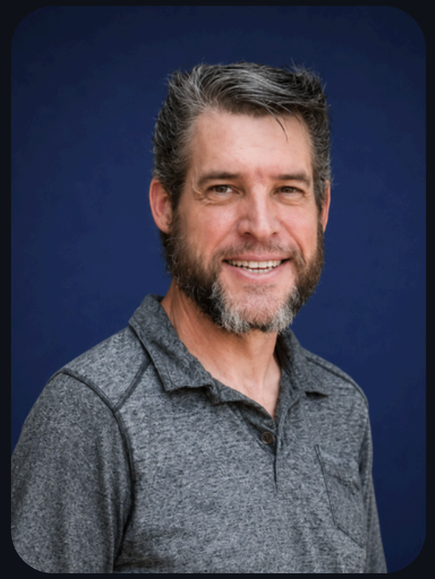
We begin with space debris removal and satellite servicing using low-cost, fully reusable drones. Over time, the same core technology will evolve to enable asteroid capture, stabilization, and in-space resource utilization.

Our ultimate goal is to create scalable, sustainable orbital infrastructure that unlocks zero-gravity manufacturing, deep-space exploration, and a true space economy, reducing humanity’s dependence on Earth-launched resources.

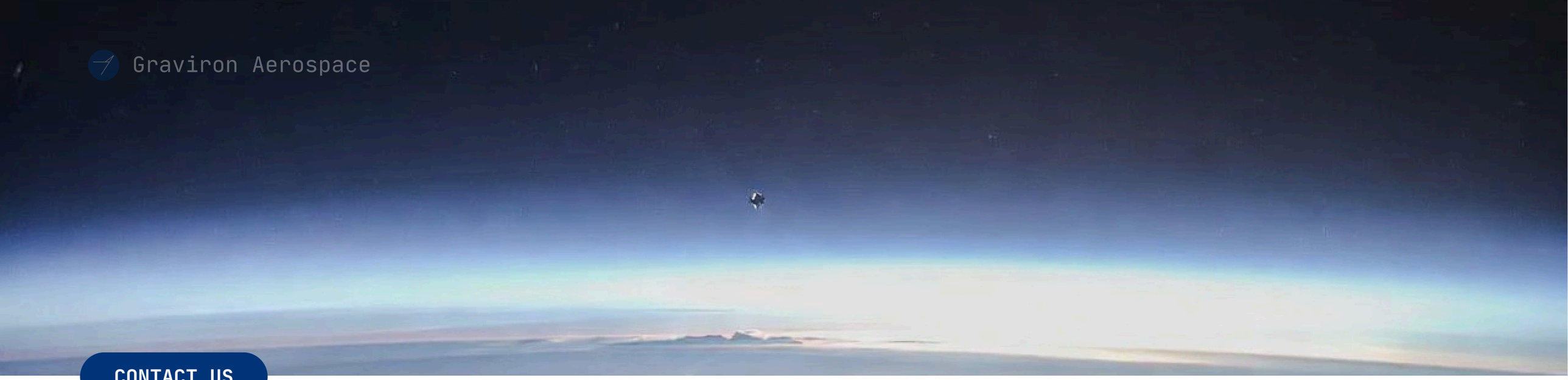
Meet the Founding Team



Atul Raj
Founder & C.E.O



Eric Ledbetter *(ex-SpaceX Dragon Integration)*
Founding Engineer



CONTACT US

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