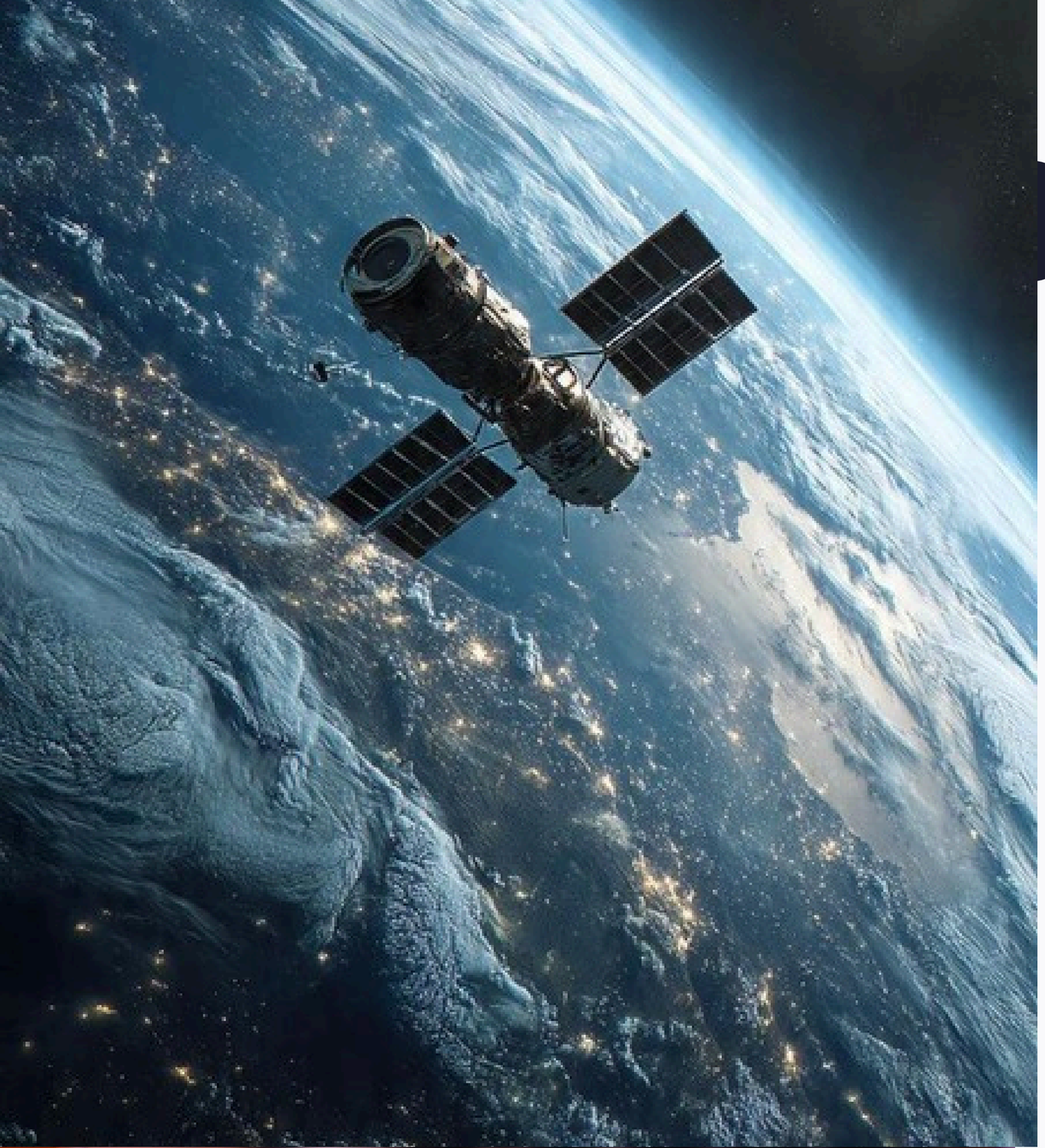


AstraGuard

Developed under Prism initiative;
Selected as startup finalist –
Infomatrix Asia 2026, march 25-27;

AstraGuard

Autonomous AI for real-time spacecraft failure recovery

The Problem

View Root Cause Analysis

Communication Delay Risk

Deep space missions experience communication delays of up to 20+ minutes, preventing immediate human intervention during emergencies.

Critical System Failures

Subsystem malfunctions can escalate rapidly, leading to mission loss if not detected and resolved instantly.

Lack of Onboard Autonomy

Current spacecraft rely heavily on ground control, limiting real-time adaptive response to unexpected anomalies.

Total Available Market (TAM):

$4.32B Global Spacecraft Avionics market

As of 2025

Satellite failures can result in $100M–$500M losses per mission.

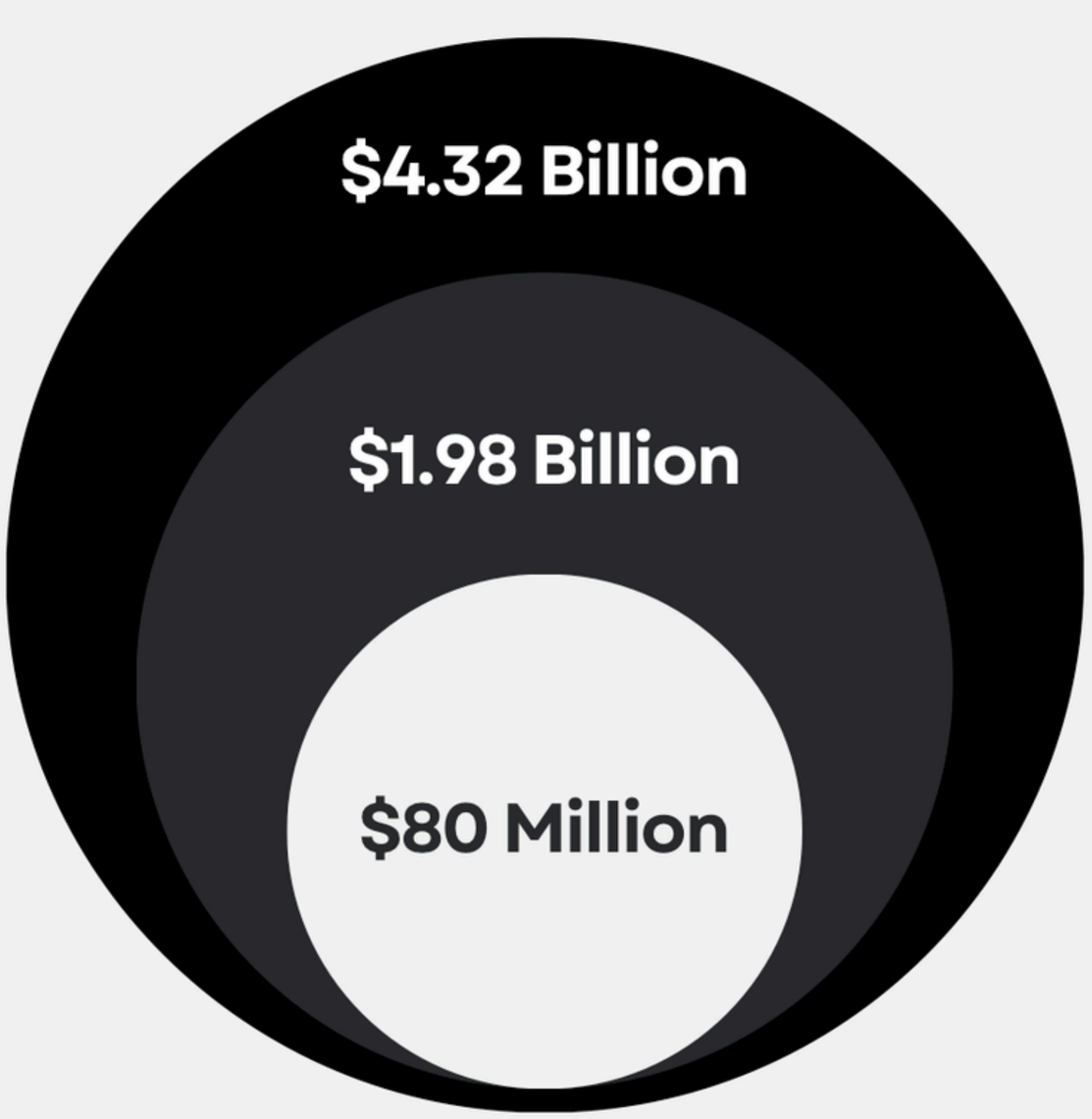
Serviceable Available Market (SAM):

$1.98B Aerospace AI market

Large satellite operators spend $10M–$50M+ per year on operations infrastructure.

Serviceable Obtainable Market (SOM):

$80M Initial focus on 8–10 aerospace integration contracts within 3–5 years.

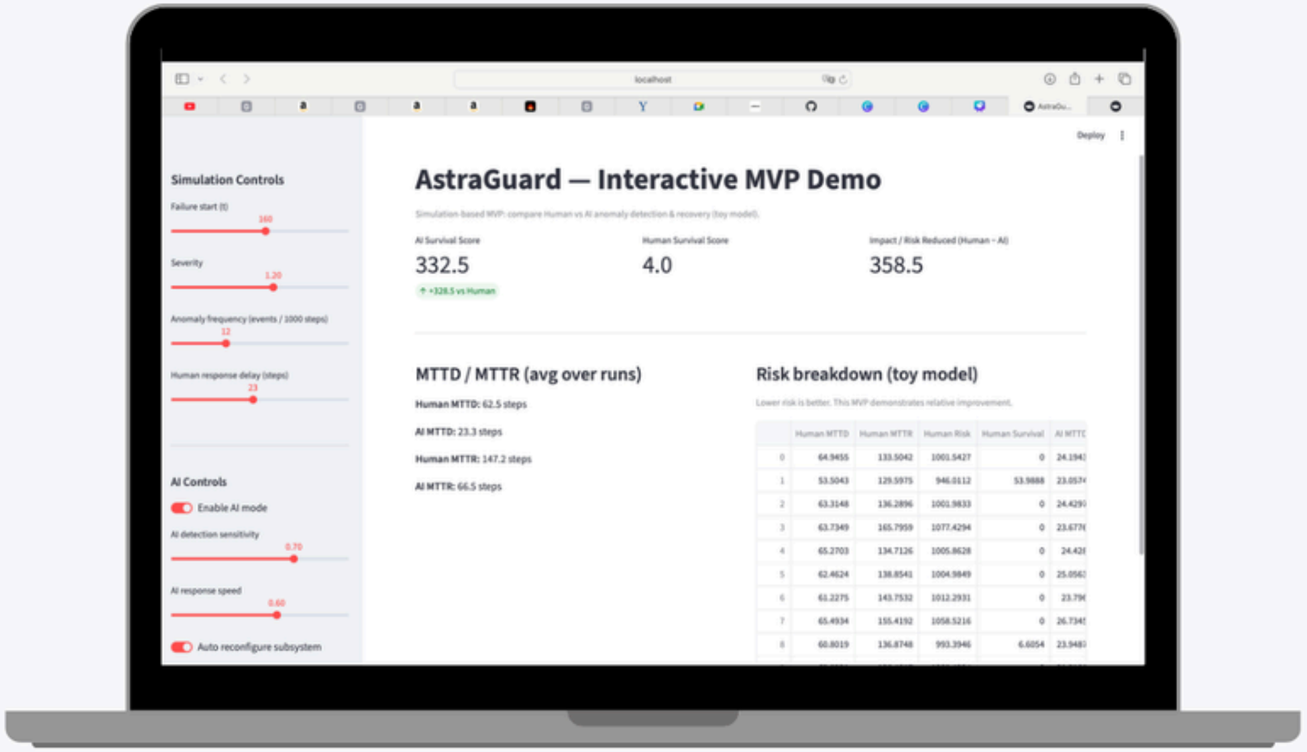


The Market

View Market Research

An AI-powered, Autonomous Onboard Protection System

- [ ] Detects spacecraft anomalies in real time through continuous telemetry monitoring.
- [ ] Diagnoses critical subsystem failures using onboard artificial intelligence.
- [ ] Automatically reconfigures systems and initiates recovery protocols without waiting for ground control.



Our Solution

View web demo

Our Traction

Recognition

1 Infomatrix Asia 2026 finalist
Selected among over 1135 projects from 21 countries

Partnerships

1 **The knowledge Society – global innovation & entrepreneurship accelereation program**

User Demand

$100M per satellite mission is lost due delayed response

Our Technology

AstraGuard

- **AI Engine:** Real-time anomaly detection using onboard telemetry analysis.
- **Autonomous Control:** Fault diagnosis and subsystem isolation without ground intervention.
- **Recovery Logic:** Automatic system reconfiguration to preserve mission stability.

Sahil Arora

“It definitely has a future, but there are also plenty of things you guys need to work on. So try to improve the accuracy of a model and talk to companies in your field”

Co-Founder of Pathly, Director at The Knowledge Society

Ian Lockhard

“Yes, it (our system) is helpful and I would love to be your first investor so far! Though of course you need to add more features there”

Founder of North Fund(Financial company formerly startups) and director at The knowledge Society

Expert Validation

Go-to-Market Plan

Month 1 & 2

Model Optimization

Improve fault classification accuracy and refine autonomous recovery logic

Month 3 & 4

Model Presentation

Present prototype to aerospace and research institutions

Month 5 & 6

Revenue Activation

Validate anomaly detection model in real-world missions

Our Business Model

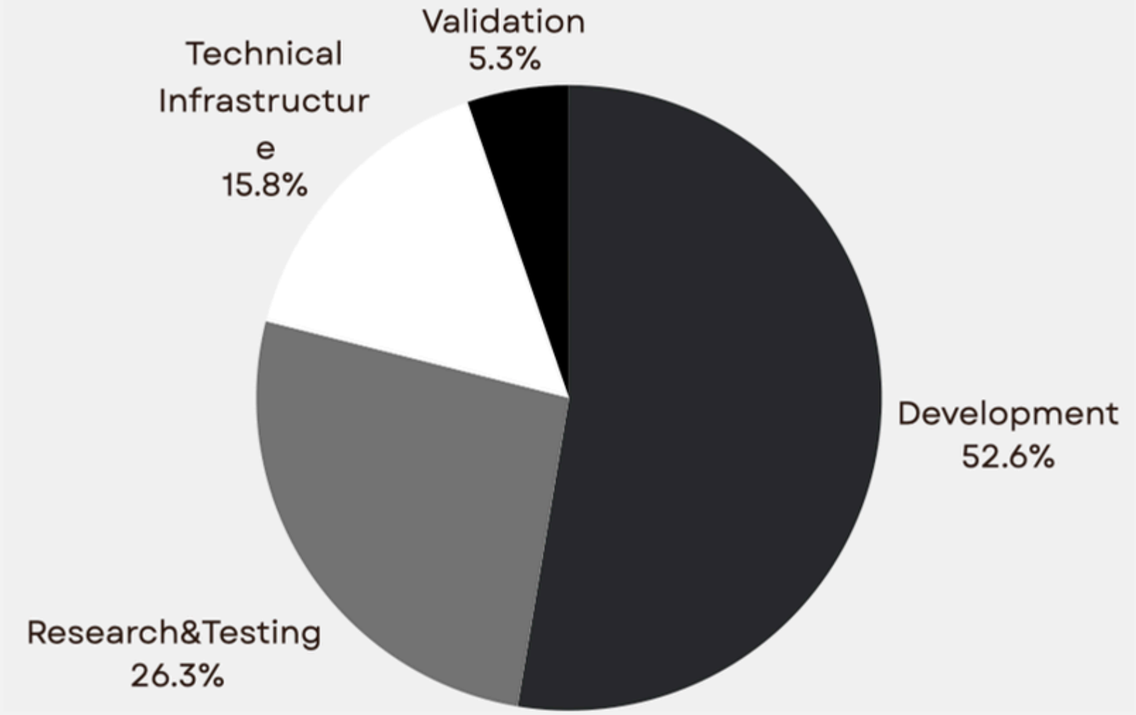
Revenue Model

- [ ] B2B licensing to satellite operators
- [ ] Integration contracts with aerospace manufacturers
- [ ] Long-term maintenance & AI update agreements

Strategic Partnerships

Space technology accelerators, university aerospace labs, and satellite system integrators

Seed Funding



Allocation : $10,000 + Mentorship

- [ ] **50% Development:** AI model refinement, telemetry simulation expansion, fault classification accuracy.
- [ ] **25% Research and Testing:** Spacecraft system modeling and anomaly dataset generation
- [ ] **15% Technical Infrastructure:** Computational resources and simulation environment
- [ ] **5% Outreach and Validation:** Engagement with aerospace mentors and technical advisors

Our Team

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Team lead

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Teammate

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Join us to build the future of autonomous space systems.