

PROJECT-S

Safeguarding Space Access and Exploration

Next-generation, end-to-end counter-debris solution for the new space economy.





What's the Fastest Way for a Company to Lose 500 Million Euros?

Natural Disasters?

Stock Market?

Tariffs?

The Problem: Space Debris

130
M

Debris Pieces

Man-made objects currently orbiting Earth

100K
+

Active Satellites

Projected cumulative count by 2030

€500M

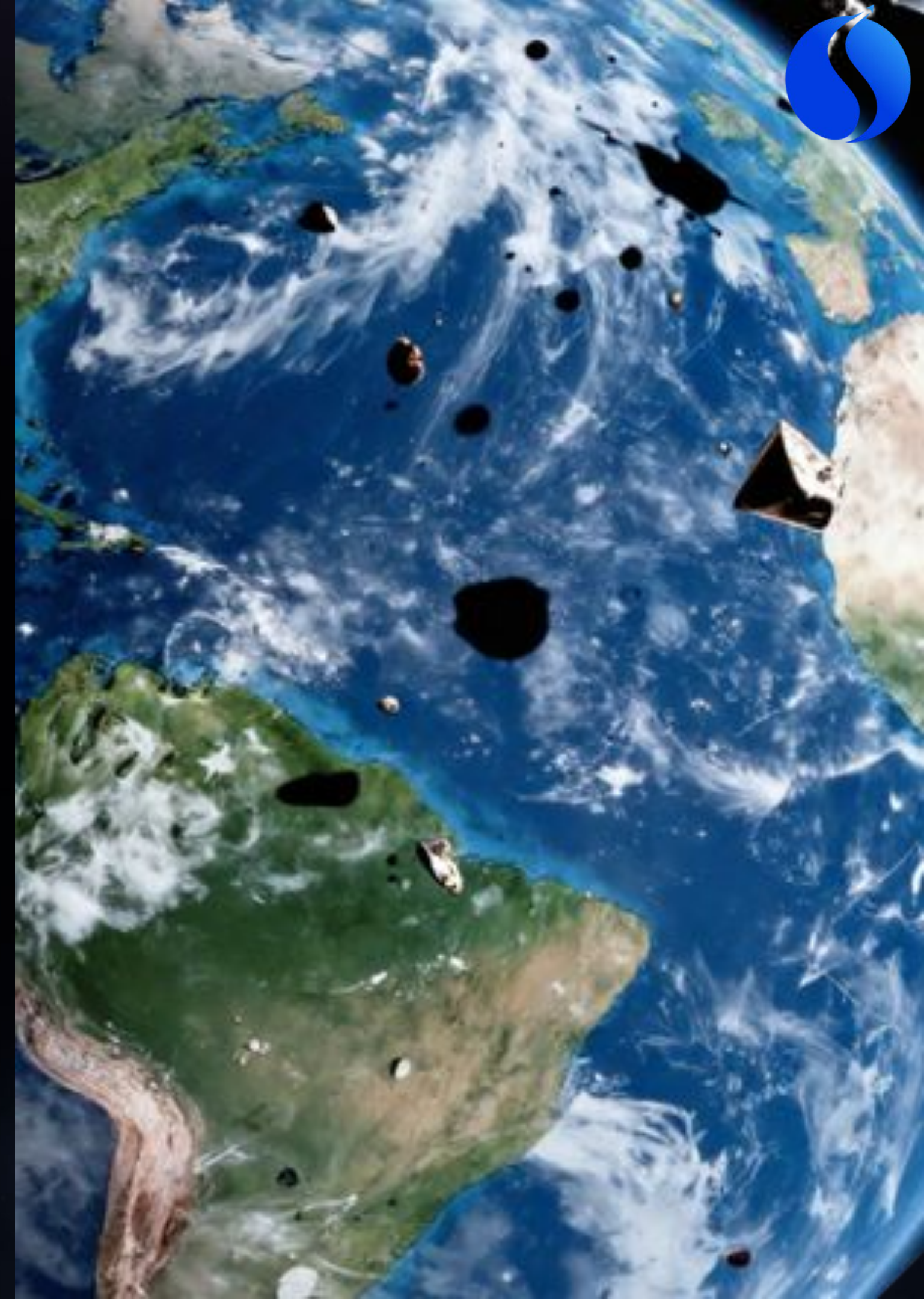
Cost Per Collision

Average loss per satellite impact event

>95
%

Undetected Debris

Objects too small for current ground-based tracking





End-to-End Counter-debris Solution



ACTIVE DEBRIS REMOVAL

Capture and remove high-risk debris



COLLISION AVOIDANCE

Predict and maneuver to reduce collision risk



SPACE-BASED DEBRIS RADARS

Detect and track debris across all orbits



LEADERSHIP

Leonidas Askianakis — Founder & CEO



STEM Olympiad Prodigy

The one and only in Greek history to achieve Top 0.1% in Mathematics, Physics, Chemistry, and Astrophysics Olympiads simultaneously.

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- Top 1% — NASA Global Space Apps International University
- Mathematics Competition — TUM Representative
- Led German Student Teams
- Competition Winner 2023
- 5 degrees pursued in parallel over 4 years
- Award-winning research publications





TRL-4

World's Only Commercial Space-Based Debris

Radars

2 cm Detection

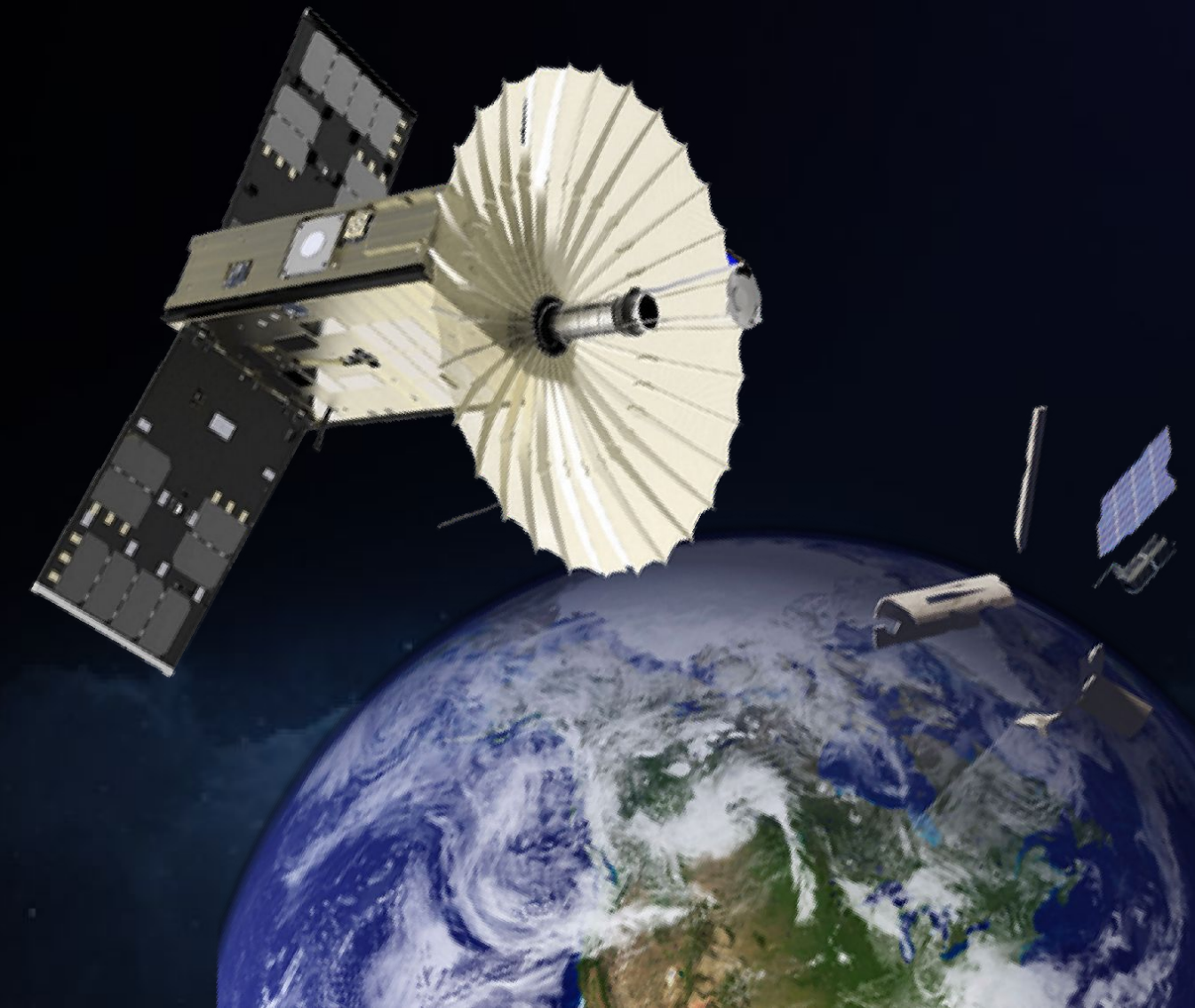
World's only commercial system detecting debris under 2 cm — previously invisible to ground-based networks.

AI-Powered Classification

The only solution categorizing **spin, shape, material, distance, and velocity** simultaneously.

All Conditions, All Orbits

Uninterrupted detection across LEO, MEO, and GEO — regardless of lighting or atmospheric conditions.





TRL-8

Autonomous Collision Avoidance



50% | Less maneuvers
needed

€100K | Weekly
Savings

100% | Fully autonomous LLM
Agent



TRL-3

Active Debris & Satellite Removal

A responsive robotic system for capturing and removing unknown debris and satellites in unpredictable orbital conditions.

8× Cheaper

Lower-cost operations compared with conventional approaches

Adaptive Grasping

Handles unknown targets in unknown environments

Fast RL Control

World's fastest adaptive reinforcement learning grasping





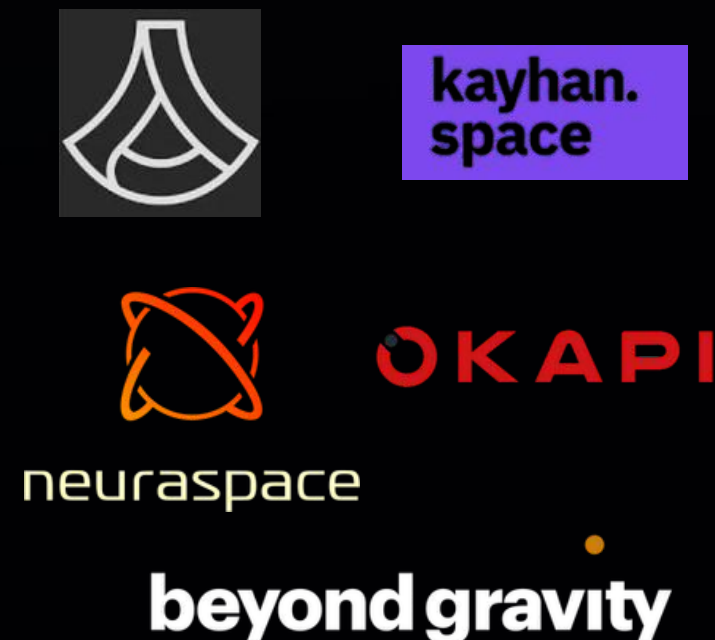
Competition Outperformed

SS
A



- Detects in the dark
- Identifies shape, size, material, and spin
- Detects down to 1 cm
- Reduces repeat times from 14 days to 30 minutes
- First to offer guarantees of safety

STM



- Saves up to €100,000/week compared with other solutions
- Considers second- and third-order effects
- Delivers 50% fewer maneuvers

ADR



- 3x faster, 8x cheaper, 1.4x more adaptive than leading robotics solutions
- Uses our own globally unique radars Built on years of cutting-edge, award-winning research in space robotics



Target Customers

SATELLITES OWNERS



SATELLITES OPERATORS



GOVERNMENTAL AGENCIES



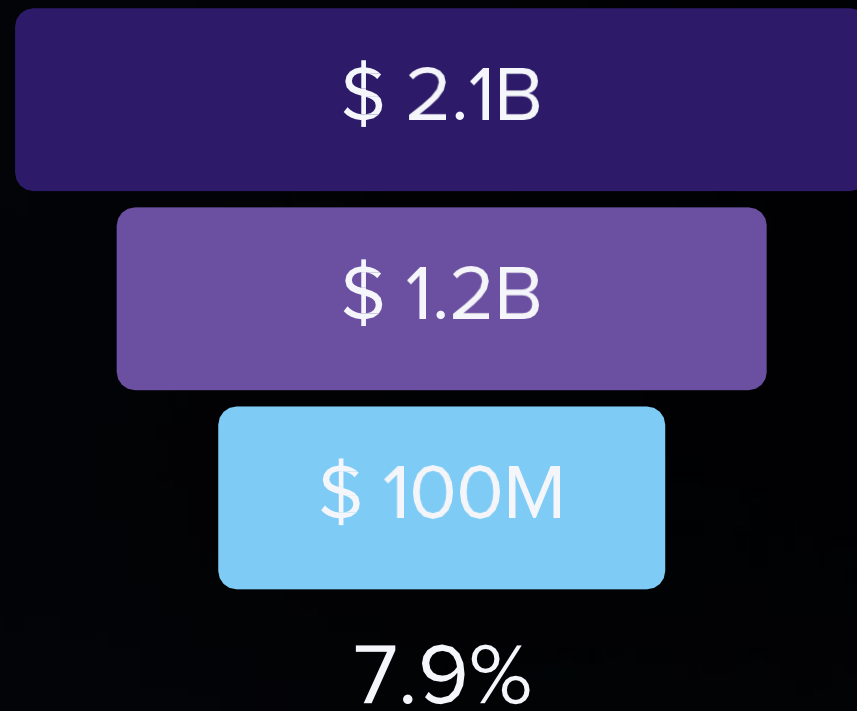
INSURANCE COMPANIES



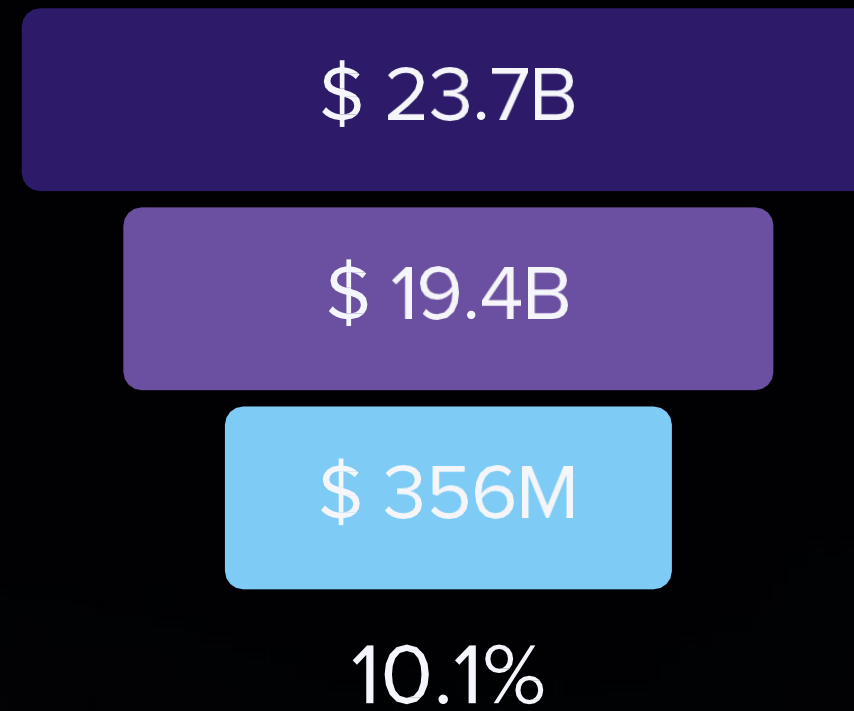


Markets Size by 2032

Space Situational Awareness



Space Traffic Management



Active Debris Removal



TAM

SAM

SOM

CAGR

R



Milestones Achieved

FIRST MISSION
6 wks

RESEARCH
Top 0.01% of
robotics
papers

FOLLOW UP
8 months

VALIDATION
Customers < 6
months

FUNDING
€4M+

TEAM
Stanford +
Berkeley +
TUM

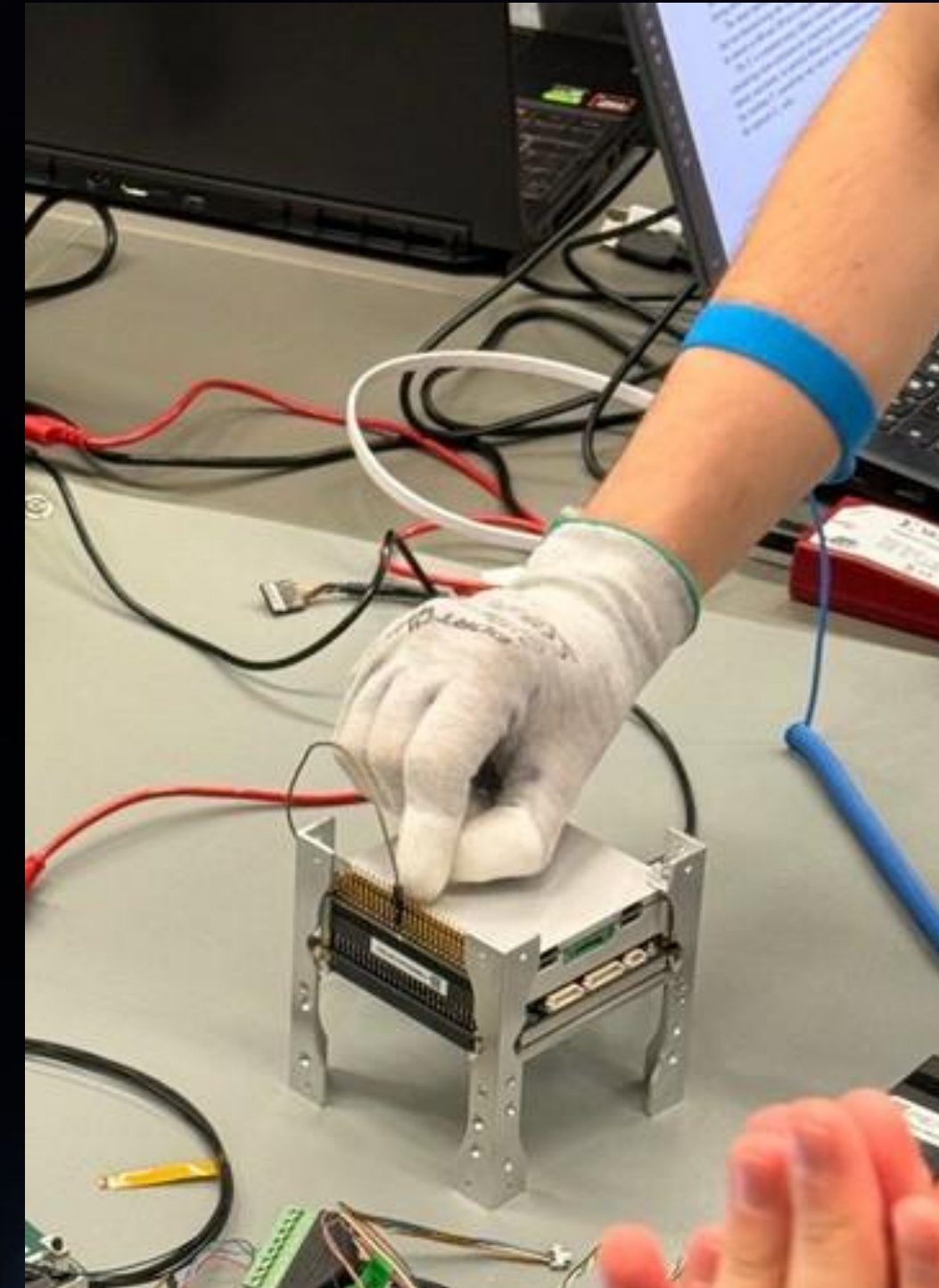




TECHNICAL MILESTONES

ATLAS III — Radar Payload

- Frequency Filing Complete
Regulatory approval secured for orbital operations
- 6-Week Build Cycle
Payload completed in 6 weeks vs. 18-month industry standard
- SpaceX Transporter-18
Launch confirmed for Q3 2026



ATLAS III is our space-based radar payload designed to detect orbital debris as small as 1 cm — a critical threshold for protecting active satellites.



TECHNICAL MILESTONES

ATLAS III — Flight Readiness Verified

Power systems
Reliable operation verified across all voltage and current envelopes

Command & Telemetry
Full bidirectional C&T exchange validated with ground systems

Flight Software
Complete flight software stack operational and tested

Radar Experiments
Successful tests producing expected raw I/Q, processed data

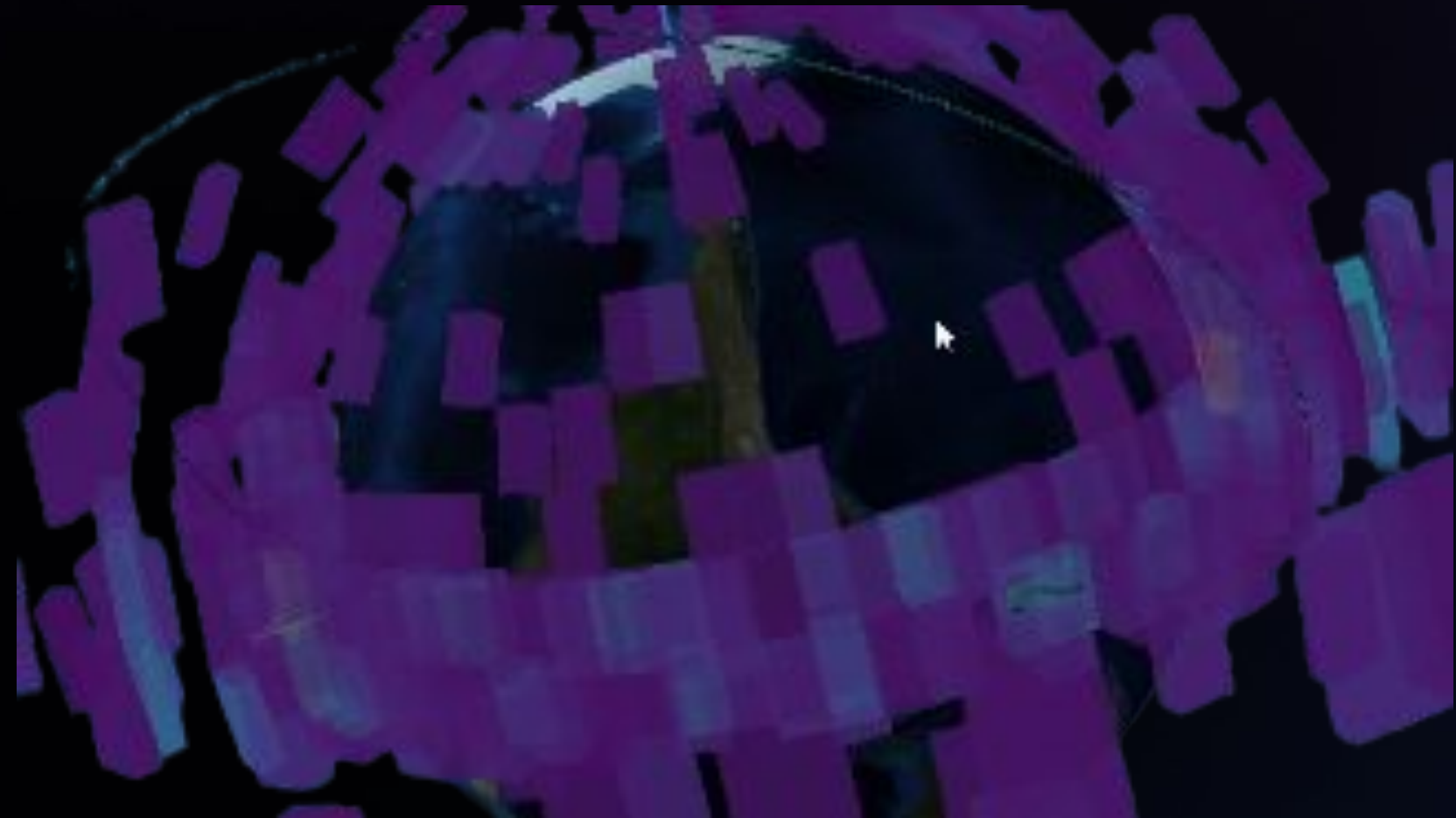
Payload Delivered
Handed off for host satellite integration



TECHNICAL MILESTONES

AstroShield — Space Domain Awareness Platform

AstroShield is our full-stack collision avoidance and conjunction analysis platform — purpose-built for satellite operators who need actionable, real-time risk intelligence.



Data Architecture

Propagation, conjunction analysis, covariance/ P_c , and UX layers fully defined

Collision Avoidance

Three-stage capability: risk investigation → maneuver → planning post-maneuver screening

Cloud Baseline

Data ingestion, propagation workers, workloads, and observability ready for scale

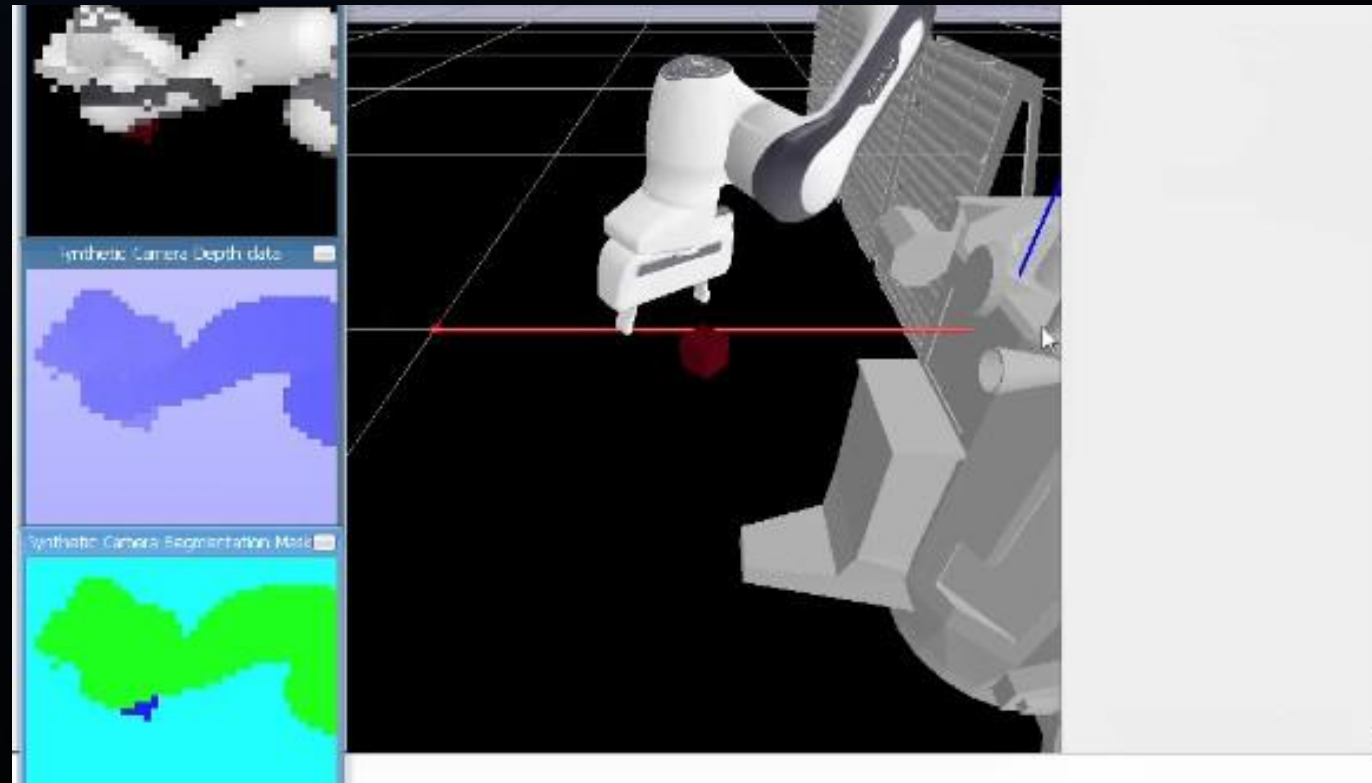
Security & GA Readiness

Security baseline and GA-readiness controls scoped for enterprise deployment



TECHNICAL MILESTONES

Robotics



Our robotics program is building the foundation for active debris removal and in-space assembly – combining AI-driven control with validated hardware.



Published Research: Askianakis & Artemov – "Space-Based Environmentally-Adaptive Robotic Grasping" – AIAA SciTech 2025

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1

Reinforcement Learning Simulation

Custom RL environment created for autonomous space manipulation

03

Stanford Collaboration

Joint research partnership established for advanced robotic control

02

System Architecture Drafted

Full implementation architecture defined for flight-ready systems

04

Vision Bench & Manipulator Cell

Vision bench operational; manipulator cell integrated and tested



NEXT GENERATION

ATLAS IV — Follow-On Missions

Building on ATLAS III's success, ATLAS IV accelerates our launch cadence — demonstrating production readiness and operational momentum.

- 1 — Requirements Baseline 
System requirements and interfaces fully baselined
- 2 — Procurement Kickoff 
Supply chain and component procurement launched
- 3 — AIT — Q3/Q4 2026
Assembly, Integration & Testing scheduled
- 4 — Launch — Q1 2027
Expected launch aboard commercial rideshare

Performed Work

Hourly Rate



Switching client's Ethernet via the payload controller

4

€ 90.00



Development Roadmap





OUR JOURNEY

Building Unstoppable Momentum



Market Validation

7 LOIs confirmed, 1 MoU in-progress, and our first paying customers secured.



Strategic Partnerships

Collaborations with DLR, ESA, and Stanford ASL Lab are accelerating our R&D.



Top Accelerators

Selected by ESA BIC, EXIST I, AI+ Munich, NVidia Inception, and more.



Investor Confidence

Backed by leading angel and VC investors from both EU & US.



Government Engagement

Actively in talks with most EU & US Space Commands for defense applications.



Strong Financials

Secured over €4M+ in non-dilutive and equity funding to date.

Join the Safety Layer of the Space Economy



Detect • Avoid • Remove • Insure • Maintain • Update

€15M



CONNECT



BOOK A
1-1



WRITE TO
US