



About

Established: 2021

Objective: Revolutionizing space exploration, Space scAvengers aims to redefine spacecraft operations with cutting-edge AI and autonomous systems, creating smarter, more efficient, and collaborative space missions for the future

Problem

- Skyrocketing costs in space mission planning and execution.
- Elevated risks in intricate orbital maneuvers and collaborations.
- Inadequate tools for efficient, AI-driven spacecraft control and autonomy.

Solution

- Leveraging our state-of-the-art simulators to dramatically **reduce costs** in space mission planning.
- Implementing our sophisticated AI models to **safely navigate complex orbital challenges**.
- Utilizing our multi-agent autonomous systems for **superior spacecraft control** and efficient coordination.

Current state

- 2 ongoing contracts with ESA
- Cooperation with academic and private sector all over Europe
- **Development of the simulation software towards MVP**
 - Implementation of orbital mechanics and custom metrics
 - Optimization algorithms for transportation between orbits
 - Inter-satellite and ground communication protocols
 - Sensorics implementation
 - AI and computer vision implementation
 - Optimization mechanisms for close-proximity cooperative operations

USP

- **Revolutionary Mission Simulator:** Automating orbital services with AI-powered, multi-agent simulations for precise, close-proximity operations.
- **Innovative GNC Development:** Tailored advanced GNC software for automated space missions, enhancing inter-satellite communication and autonomy.
- **Dynamic In-Orbit Services:** Optimized systems for modular, AI-driven spacecraft fleets for versatile space missions, ensuring efficient coordination and risk reduction.

Competitors

- FreeFlyer
- Ansys STK
- Orbitus ED

Funds Requirement

- Pre-Seed round
- Period: 12 Months

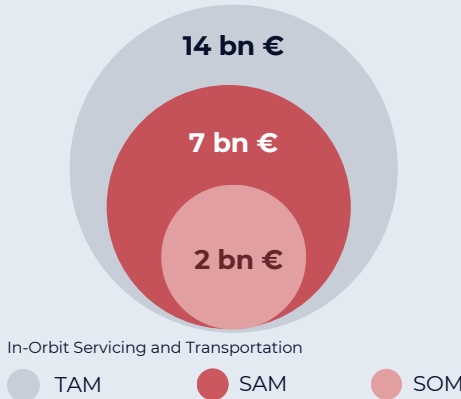
150 000 €

Key Partners

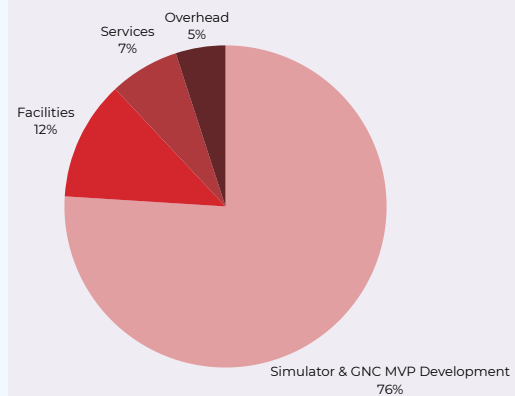
- European Space Agency
- Slovak Academy of Sciences (IMMM)
- Telespazio
- Prva Zvaracska a.s.
- Politecnico Milano



Market



Use of Funds



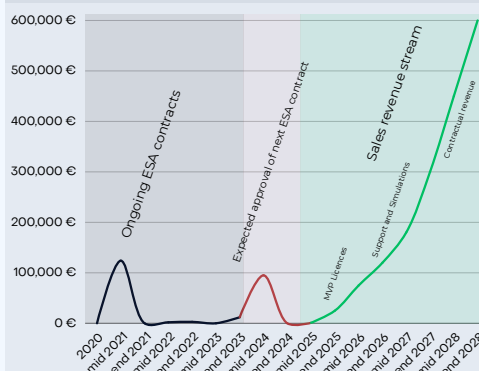
Target Customers

- **Small Satellite and Cubesat Developers**
- **Emerging Space Startups and Innovators**
- Commercial Satellite Operators
- Space Agencies and Research Organizations
- In-Orbit Servicing Management Companies

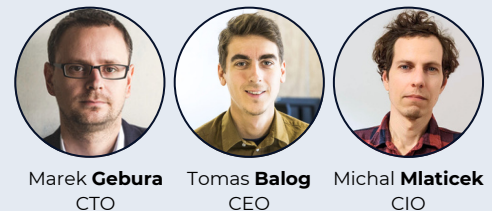
Revenue Model

Sales Strategy	Pricing Strategy
Licences	5 000 ÷ 100 000 €
Subscriptions	Monthly/yearly Computational credits in 100s ÷ 1000s €
Services and Support	Hourly and daily rates in 100s ÷ 1000s €
Models creation and simulations	Contractual in 10 000s €
Space Missions	Contractual in 100 000s €

Financial Predictions



Core Team



Marek **Gebura** CTO Tomas **Balog** CEO Michal **Mlaticek** CIO



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