![Parsimoni logo] **Parsimoni**

![SpaceOS logo] **SpaceOS**
satellite payload operating system

In Orbit March 2025

We make satellites more valuable

Supported by: ThalesAlenia Space *a Thales / Leonardo company*   AIRBUS

OHB   cnes   esa

Satellites do not deliver the best value

Unused capacity and inefficient software – unrealized revenue/margin potential of in orbit compute

Satellite over ocean

Upto 70% of the time

Satellite at night

About 50% of the time

Cloud cover

Variable

95% of the pixels downloaded from satellites are useless

CEO - leading satellite data aggregator

No standard – one-off engineering needed: time and effort

Cyber risk

Parsimoni

More valuable satellites

+50%

More efficient
capacity utilization

→ In orbit processing can save
USD 200K / year

80%

Faster access
to space

→ Reduce engineering time from
7 months per satellite to 7
weeks for ALL satellites

20x+

Increase in
payload security

→
- Secure-by-design software
  architecture
- Significant Defense opportunities

Parsimoni

Value created by technology without comparable

SpaceOS

validated with

ThalesAlenia
Space
a Thales / Leonardo company

Edge computing
in space **accelerated**

unikernel
20x smaller
vs. alternative OS

Built for satellites
No customization
required

Security & isolation
built in

New markets need new Operating System capabilities

16.4BN — Market value (2032)

>3.5BN — Market value (2022)

Satellite-as-a-Service (SataaS) Market (global statistics)

CAGR (2023 – 2032) >15%

Large and growing market: >6BN addressable
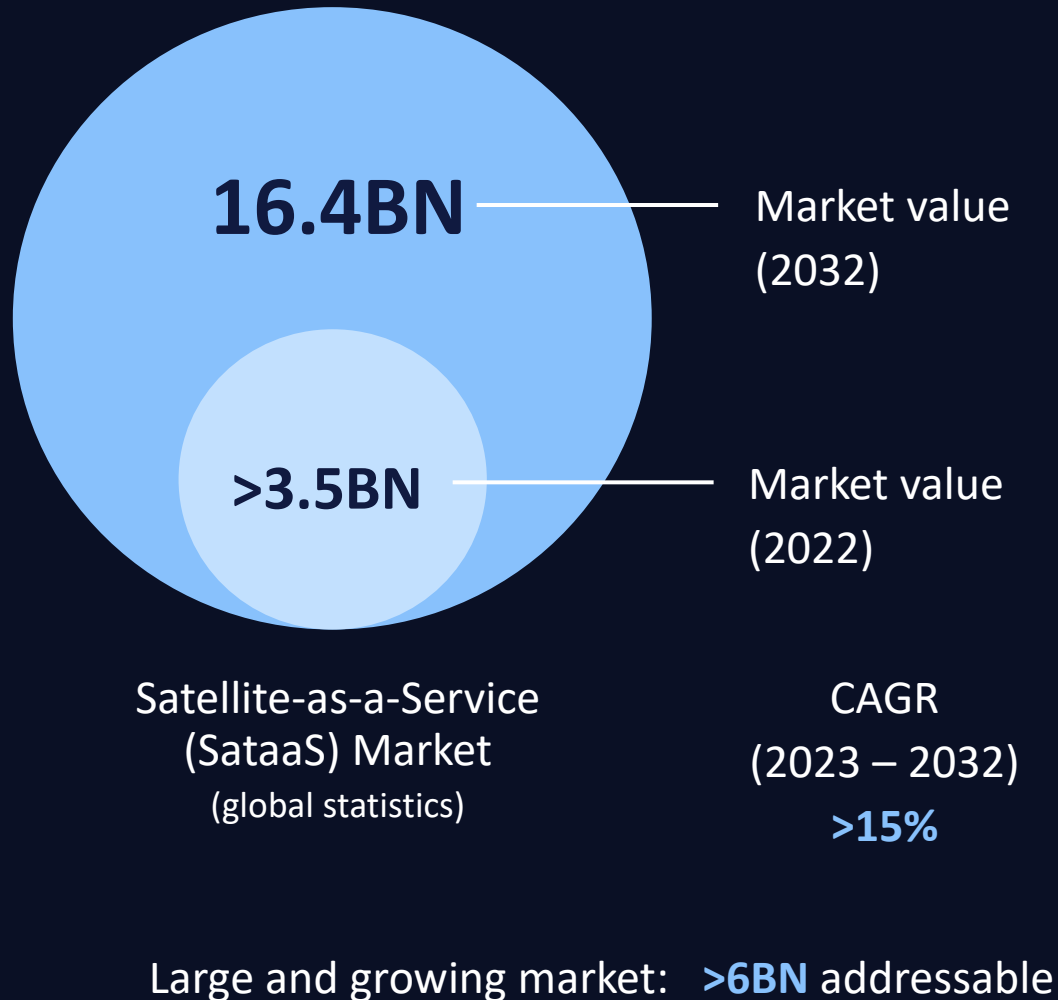
Multiple entry points + defense

Satellite Hardware Manufacturer

Satellite Integrator

Satellite Constellation Operator

Satellite Edge Computing Software Developer

Competitive landscape

Low Cost

SpaceOS

Leading with innovation:
Low-cost, efficient and
scalable, secure-by-design OS
for shared payloads

Low — SUITABILITY FOR SHARED PAYLOADS — High

SYSGO
EMBEDDING INNOVATIONS

CYSEC

High Cost

Team Parsimoni

Miklos Tomka
CEO

INSEAD BAIN & COMPANY

2 startups
1 exit:

AllSight
now part of
Informatica

Thomas Gazagnaire
CTO

docker citrix
Tarides

2 startups
1 exit:

docker Buys Unikernel Systems

Virgile Robles
SpaceOS Lead Engineer

cea

TWEAG
by Modus Create

Rizo Isrof
Product Lead

HYPER

PUSHER

Tractions & milestones

The Origins
(10 yrs ago)

2015

University of Cambridge
PhD Research

docker **Buys** *Unikernel Systems*

10 more years of innovation

↓

SpaceOS

Consortium Projects

ThalesAlenia *Space*
a Thales / Leonardo company

2024

Horizon - Orchide
SpaceOS – the standard
EURO 500K
TRL7

BPI – CEOS
EURO 600K

Partnerships

ThalesAlenia *Space*
a Thales / Leonardo company

AIRBUS

OHB

cnes

esa

2025

In orbit
March 2025

DPHI SPACE

SpaceOS

GRANT

June

esa

App Store for Satellites
EURO 100K

2030

Revenue target
2031

130M+

Fundraising needs

Raising

800k€+ seed

20% off next round – SAFE

Cap - $20M

Angel funding from industry executives (Thales, OHB)

Use of Funds
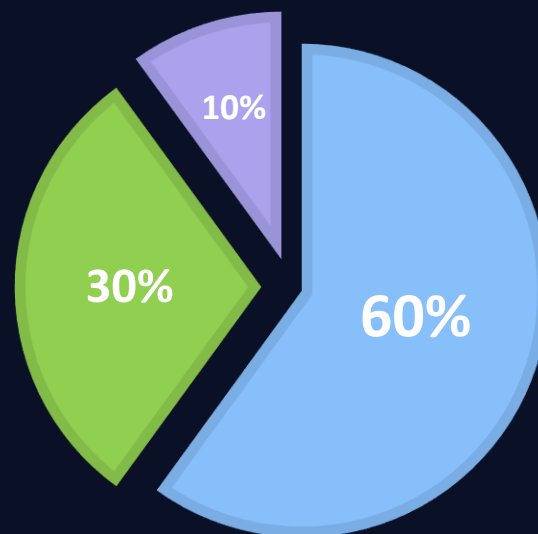
- Engineers
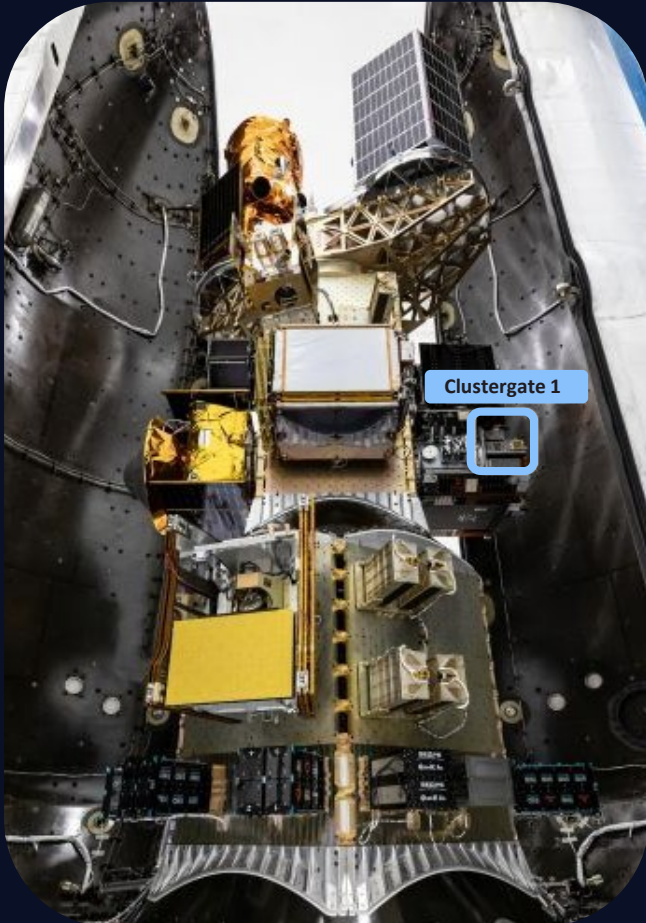- Sales
- Operations

Milestones to Achieve

- Deliver first release of ⬢ SpaceOS

- Sign up 4-6 pilot clients;

- Submit 3 grant applications (non dilutive funding $1.5M)

Build the foundation for Series A round (early 2026)

Potential exits: amazon   Microsoft   Google

2025 March 15 – Transporter 13

Clustergate 1

>>> Clustergate.Power_ON()
Response: "Greetings to Earth! Health is
nominal, all payloads are functional :)"

FIVE MISSIONS ONE PLATFORM
CLUSTERGATE 1
DPHI SPACE

Clustergate ready to take off

Takeoff

Operational

Exciting Times!

SpaceOS

In orbit & ready for customers

DPHI
SPACE

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web: parsimoni.co

Parsimoni
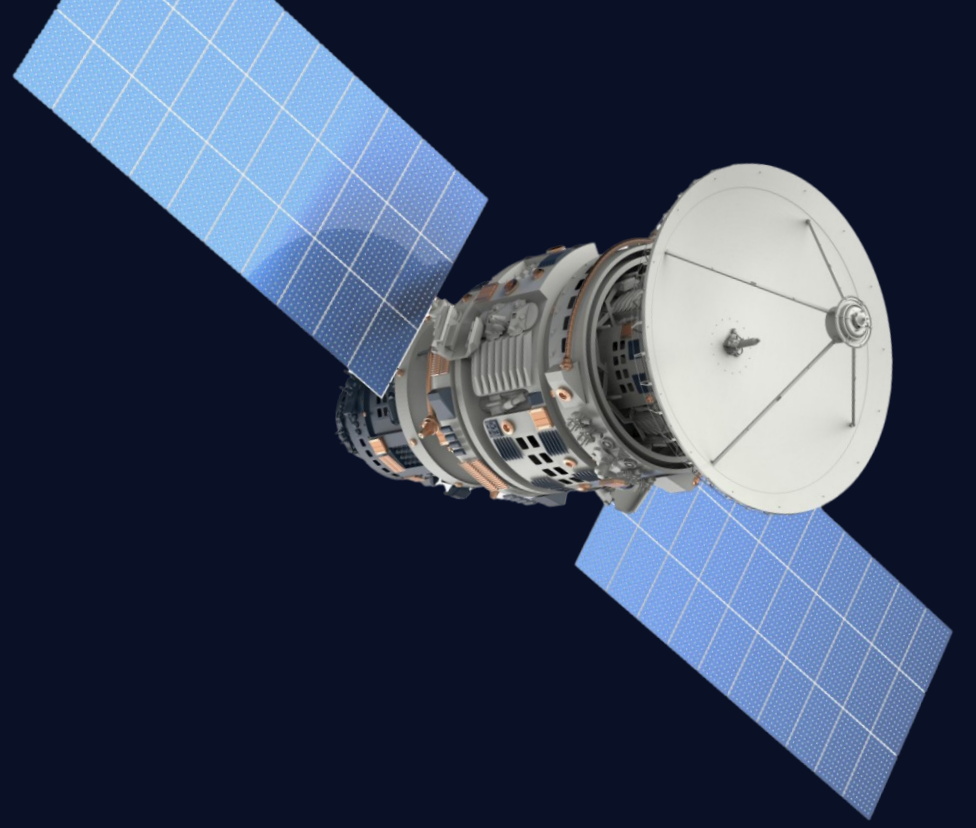
Appendix

Revenue forecast

Target by 2027

Conservative
Revenues: **6M$**

Parsimoni Revenue Forecast (in million USD)
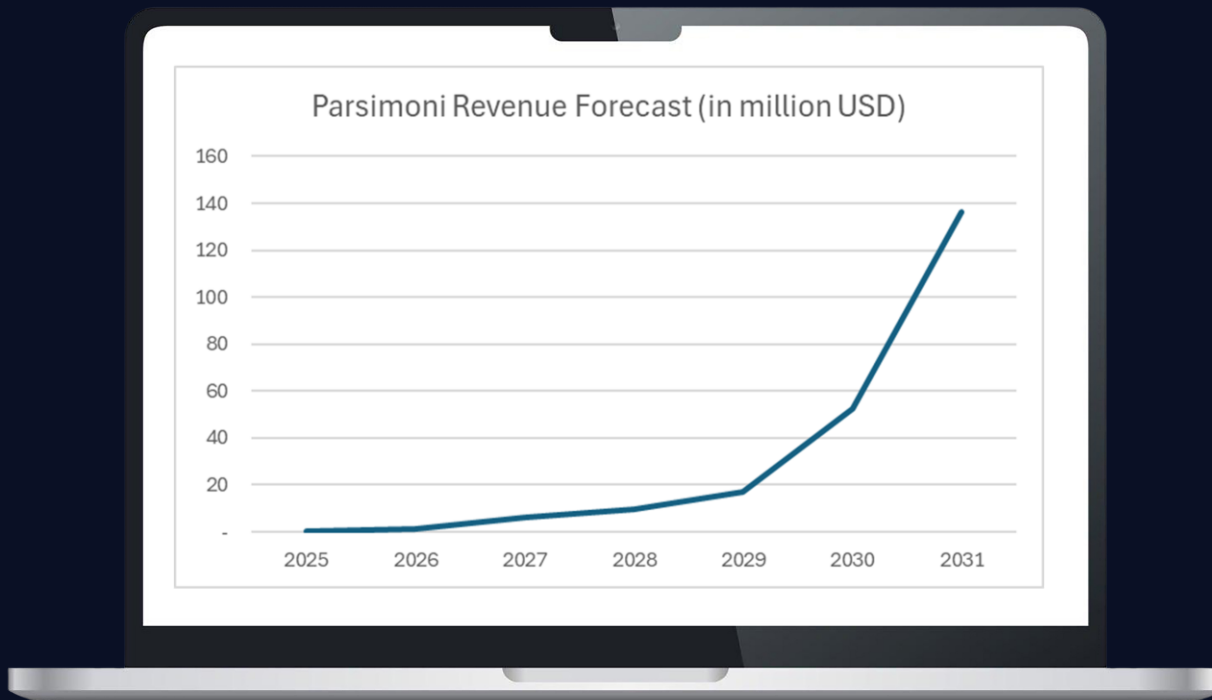
After 2027

- **Accelerating growth**

- **2031 Conservative target:**

130M$+

(also from SataaS platform)

Advisors and angel investors

Advisor Name / position:	Advisor Type	Comments
Matthieu Bernou, CTO OHB Greece	Satellite as a Service Expert	**Also invested in Parsimoni**
Idris Habbassi, Director Marketing Hydrosat (ex. Spire – Director Strategy)	Satellite Strategist	
Guillaume Lerouge, Thales Digital Factory Business Development	Thales Startup Specialist	**Also invested in Parsimoni**
Anil Madhavapeddy, University of Cambridge, Professor of Planetary Computing	User of satellite data / market expert	Predicts Parsimoni will completely change the satellite ecosystem by making it accessible to all

Satellite-as-a-Service platform
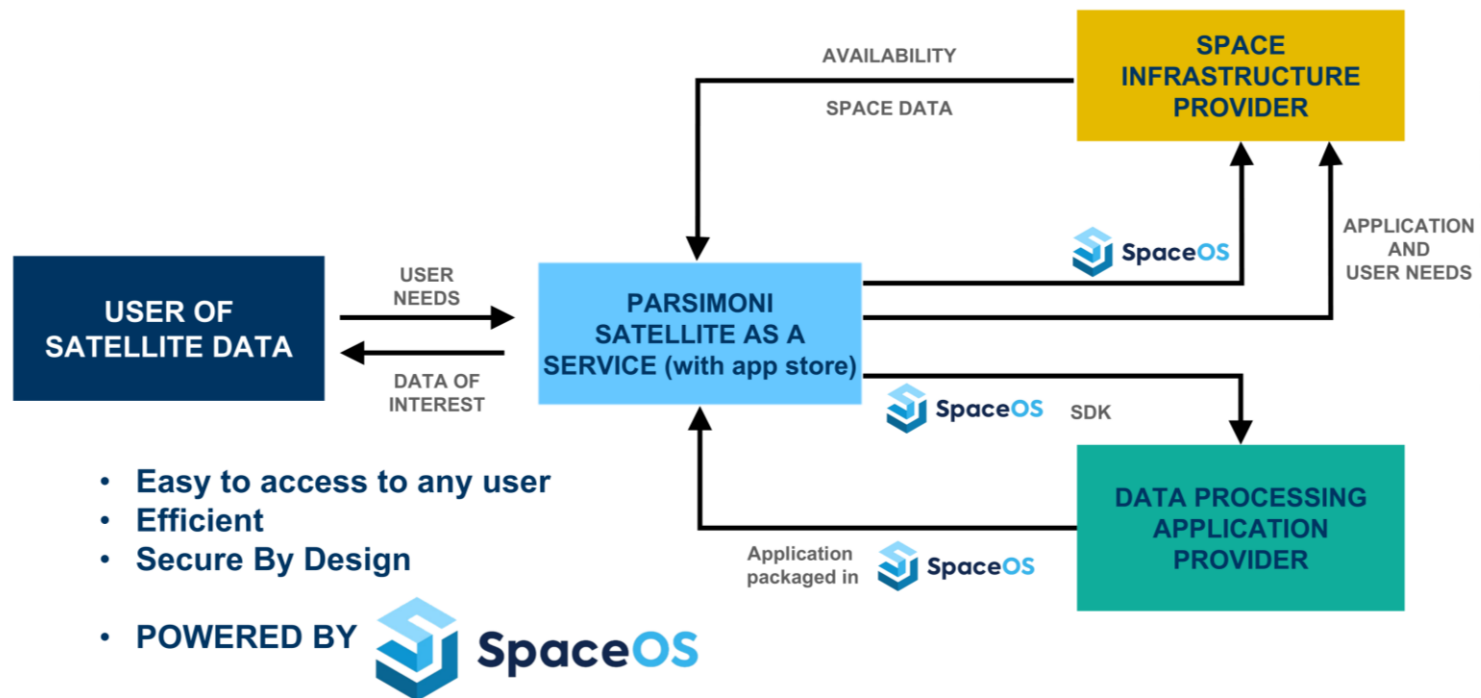
Customer validation – Thales TAS

Use-case : Satellite on-board AI image analysis software

Input image

AI SW

Output image

Goals:

1. Replace **Docker** with **SpaceOS**
2. Same functional results & flexibility
3. Improvements in efficiency & cybersecurity

Results :

- **Executable code is 20x smaller**
- **Software is more secure (isolation)**
- Easy Software deployment and update

Business model

Seed stage - projects

- Q4/2025

Pilot projects – revenue per project

Grant projects – as part of a consortium (replicate the EU results)

SpaceOS

Growth stage - product

2026-2027

- Setup cost
- Ongoing service support cost
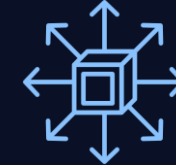
Alternatively

- Software as a service

Replicate models from others:

Ubuntu Core (IoT OS)

Docker (Cloud technology)

SpaceOS

Expansion stage – also platform

2027-

Payment – based on value created (3x customer revenue up -> x$ in revenue)

Platform fee for SataaS offer

SpaceOS + Platform

Significant Unused Capacity – Example of EO

Satellite over ocean

Satellite at night

Cloud cover

Upto 70% of the time

About 50% of the time

Variable

Case study – Methane emission monitoring satellite

TODAY	TOMORROW – FIRST LEVEL OF BENEFITS	LATER
- On board compute – most of the time idle	- On board compute used for cloud detection; high level analytics	- On board compute available for new revenue sources
- Image processing – exclusively on ground	- On ground image processing accelerated (and volume reduced)	- Actionable insights sent to ground
- Very costly data downlink cost	- Savings of $100K to $200K per satellite on downlink cost	- Further optimized downlink costs - Incremental revenues

Faster Access To Space with more efficient unikernel OS

Satellite builder - Generic OS

Requires customization :

- Costly engineering time

- Not always optimal outcome
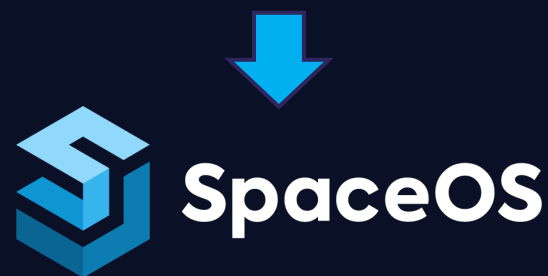 (efficiency, Security)
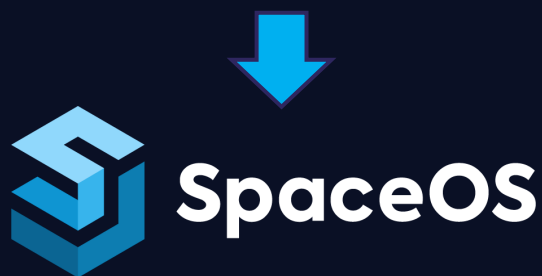
Engineering time – reduced by 80%

Outcome – better, guaranteed by a
team of OS experts

**Satellite software developer:
No standard: One-off engineering**

Duplication of efforts

- High cost

- Innovation speed reduced

Develop once, run on any satellite.

Faster to space, innovation accelerated

Security By Design – Reduced Cyber Risk

SpaceOS

Most satellites are easy to hack

The question is not "if" but "when"

- Memory-safe programming language – blocks 70-80% of zero-day attacks

- Compact size – reduced attack surface (20x smaller vs. some alternatives)

- Formal verification: mathematic proof

- (Optional) quantum crypto protocols

- **SECURE BY DESIGN**

- **SECURITY BUILT INTO THE FABRIC OF THE OS**