

NEWSPACE MARKET · COMPANY PROFILE



Parsimoni

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as of 20 August 2026



Parsimoni

Parsimoni designs and manufactures SpaceOS, a secure payload operating system for satellites. SpaceOS runs in its own partition on the payload computer, separate from bus management, attitude control, and other safety-critical systems. It enables operators to build, deploy, and update satellite applications, monetize idle on-board compute capacity, and process data on-board. SpaceOS provides hardware-backed isolation for applications, a CI/CD lifecycle for orbit, and a small application image footprint. It is hardware-agnostic and has been validated across 8 on-board computers and multiple hypervisor substrates. Parsimoni targets satellite operators, payload hardware builders, and space application developers. The company has offices in France and California, with plans for further expansion in the U.S. and Europe. SpaceOS reached orbit in March 2025 on Clustergate-1 and again in March 2026 on Clustergate-2, demonstrating the CCSDS protocol stack with OTA rekeying. Parsimoni has funded partnerships with organizations like Thales Alenia Space (Horizon Europe ORCHIDE), BPI France 2030 (CEOS), and ESA (OSIP marketplace demonstration). They are working with Innoflight to offer SpaceOS alongside their CFC-400XS flight computers and with OHB Hellas for a joint satellite app store project. SpaceOS is at TRL 6 and has demonstrated zero sandbox escapes in the HACKSAT'25 security challenge. Its building blocks have production heritage, with the network stack shipping in Docker Desktop and cryptography in Chrome and Android via BoringSSL.

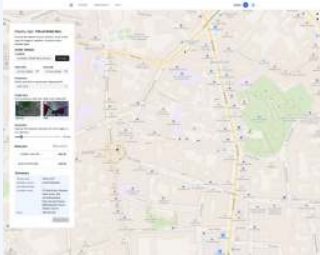
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SERVICES

Services

CI/CD Lifecycle for Orbit Parsimoni provides a CI/CD pipeline for satellites, enabling cloud-like development, deployment, and updates of applications in orbit.	Cyber-Resilient Payloads Parsimoni helps harden satellite payloads against cyber threats using hardware-backed isolation, memory-safe code, and post-quantum cryptography.
Integration of SpaceOS Parsimoni integrates its SpaceOS payload operating system onto a customer's satellite payload computer at no upfront cost, sharing in the value created.	On-board AI Processing Parsimoni enables on-board AI inference on satellite payloads, reducing downlink costs by processing data in orbit and downlinking only insights.
Satellite App Store / Monetization of Idle Compute Parsimoni enables operators to monetize idle on-board compute capacity by hosting third-party applications safely through a satellite app store.	

Product catalogue



PARSIMONI

SpaceOS

SpaceOS is a secure payload operating system that enables the deployment, management, and updating of satellite applications on-board, turning idle compute capacity into new revenue

Average in-orbit compute utilisation (NASA JPL data)	near 10%
Application image size	10 MB
Container stack size (K3S)	250 MB
Hypervisor compatibility	KVM, Xen, or Muen (Type-1 hypervisor)
Validated on	8 on-board computers (ARM and x86)
Flight heritage	March 2025 on Clustergate-1 (SpaceX Transporter-13), March 2026 on Clustergate-2
TRL	6

TRL 6 price on request

Contact Parsimoni

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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