

Orbital systems
 Satellites
 Ground segments
 Transversal competencies



Parsimoni develops software solutions for satellites.

SpaceOS is a “Secure By Design” operating system, designed for efficiency and scalability to power not only current but also next generation – multi-user, multi-mission or software defined satellites. Our goal is for SpaceOS to become the “android” for satellites.

The Parsimoni Satellite As A Service marketplace is our second offer – powered by SpaceOS – to make real time satellite data accessible to all.

COMPETENCIES & CAPABILITIES

- Secure By Design , highly efficient operating system for satellites, invented and developed in Europe: the “android” of satellites
- Unikernel technology – upto 50x smaller vs. alternatives
- Memory safe programming language – block 70-80% of all cyber attacks by design
- We develop space software in Europe – and our technology is one of the best in the world



SpaceOS

PARSIMONI

PRODUCTS & SERVICES

- We work with satellite operators to replace their current software containers with SpaceOS to allow for 10-20x more software in the same storage
- We also propose SpaceOS to satellite builders: SpaceOS can be a part of a payload computer from the design stage to provide the biggest benefits in efficiency and scalability.
- The Parsimoni Satellite As A Service marketplace will benefit all users of the satellite ecosystem. Users of data will get access; developers of satellite software (AI in Space) will get a secure and standard platform (no need to rewrite the code for a different satellites – develop it once and run on any satellite) and satellite owners / operators will see an increase in revenues due to higher utilization of the capacity on board their satellites. Everybody wins!

MAJOR SPACE PROJECTS & REFERENCES

- Thales / TAS: SpaceOS POC: 20x smaller vs. Thales alternative; less memory, less process resources used
- OHB – partnering on the development of the Parsimoni Satellite As A Service Marketplace
- Airbus – winner of the 2024 Paris Space Week innovation Prize
- CNES – Recipient of the Space Ticket

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