



## Company presentation

[www.fentiss.com](http://www.fentiss.com)

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# TYPICAL SATELLITE SUBSYSTEMS

Thermal  
control

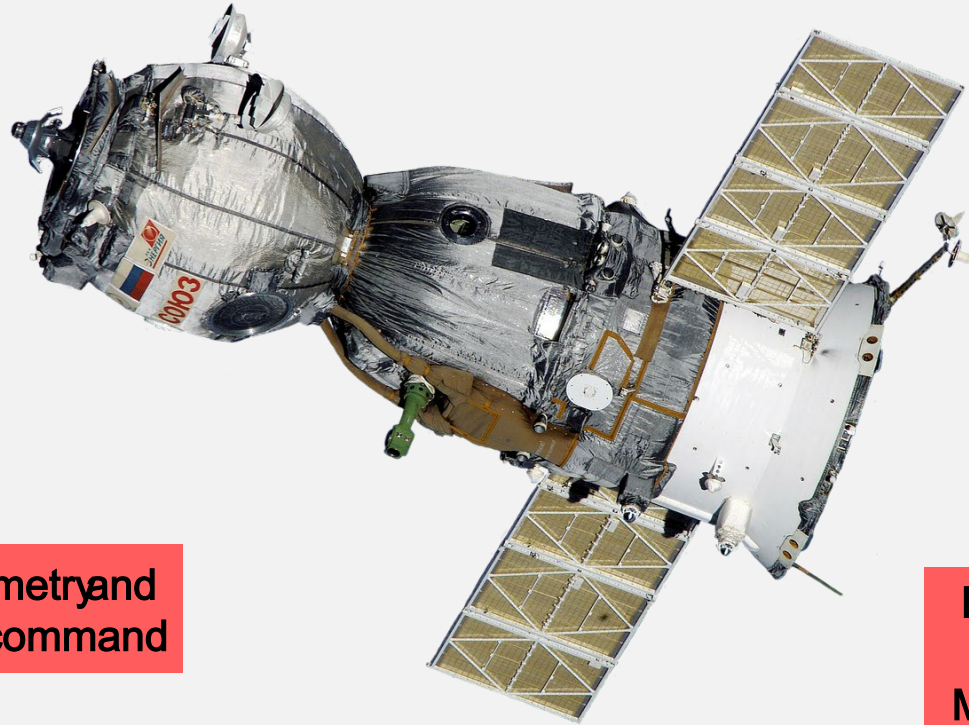
Payload  
processing

MassMemory  
Unit

Attitudeand  
Orbitcontrol

Telemetryand  
telecommand

Missionand  
Payload  
Management

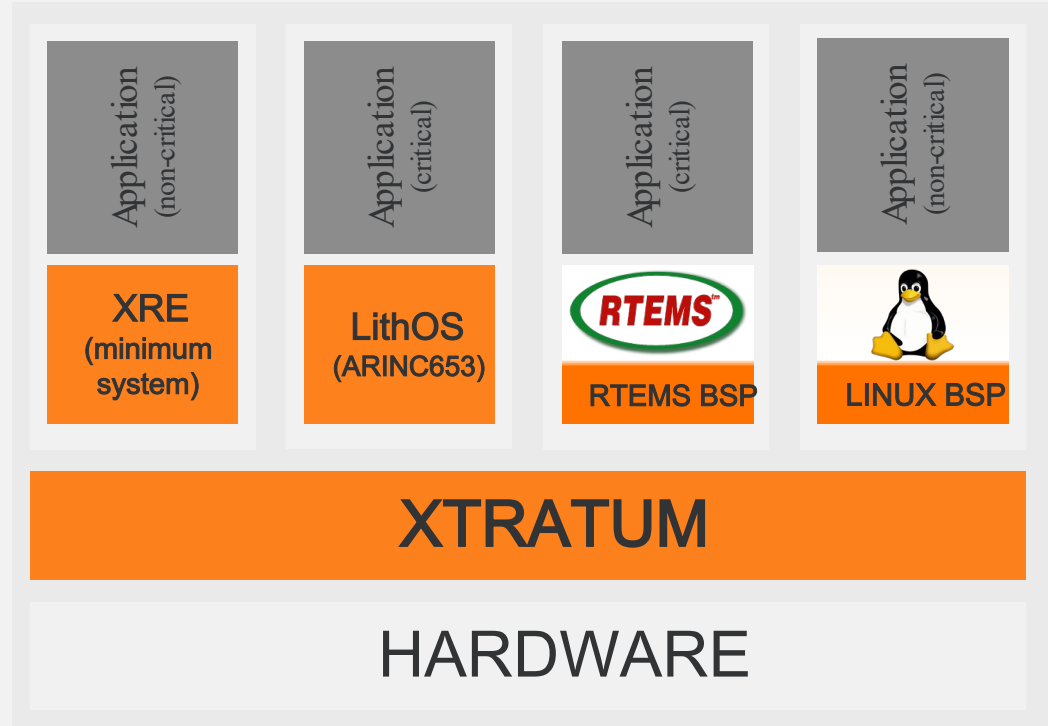


# WHAT DOES FENTISS DO?

We enable critical and non critical applications to share a common (multicore) hardware platform without interfering with one another (virtualization).



**XtratuM Hypervisor**



# WHEN TO USE VIRTUALIZATION

If you are concerned with integrating over a single on-board computer different software subsystems which

- come from **different suppliers** who develop their software independently
- some subsystems are **safety critical** subsystems while others require lower criticality
- mission development must achieve **short time to market**
- must **minimize the development cost**, decreasing re-certification cost of existing subsystems and integration effort
- want to benefit from the **advantages** offered by **modern powerful multicore platforms** to reduce recurring cost and decrease systems size, weight and energy consumption

**Contact fentISS** (seenextslide)

# THANKS!

## FENT INNOVATIVE SOFTWARE SOLUTIONS S.L.

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