TYPICAL SATELLITE SUBSYSTEM

- Thermal control
- Mass Memory Unit
- Telemetry and telecommand
- Payload processing
- Attitude and Orbit control
- Mission and 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 system size, weight, and energy consumption

Contact fentISS (seen next slide)
THANKS!

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