SmallSat Core Avionics



Secure Communication Modules for Platform and Payload



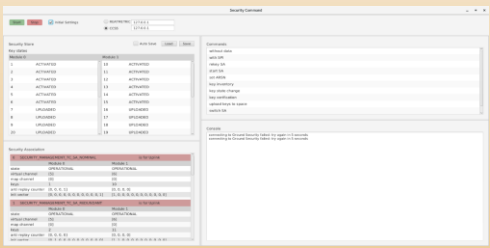
Space Modules



CCSDS Decoder-/Encoder FPGA Boards hosting security functions:

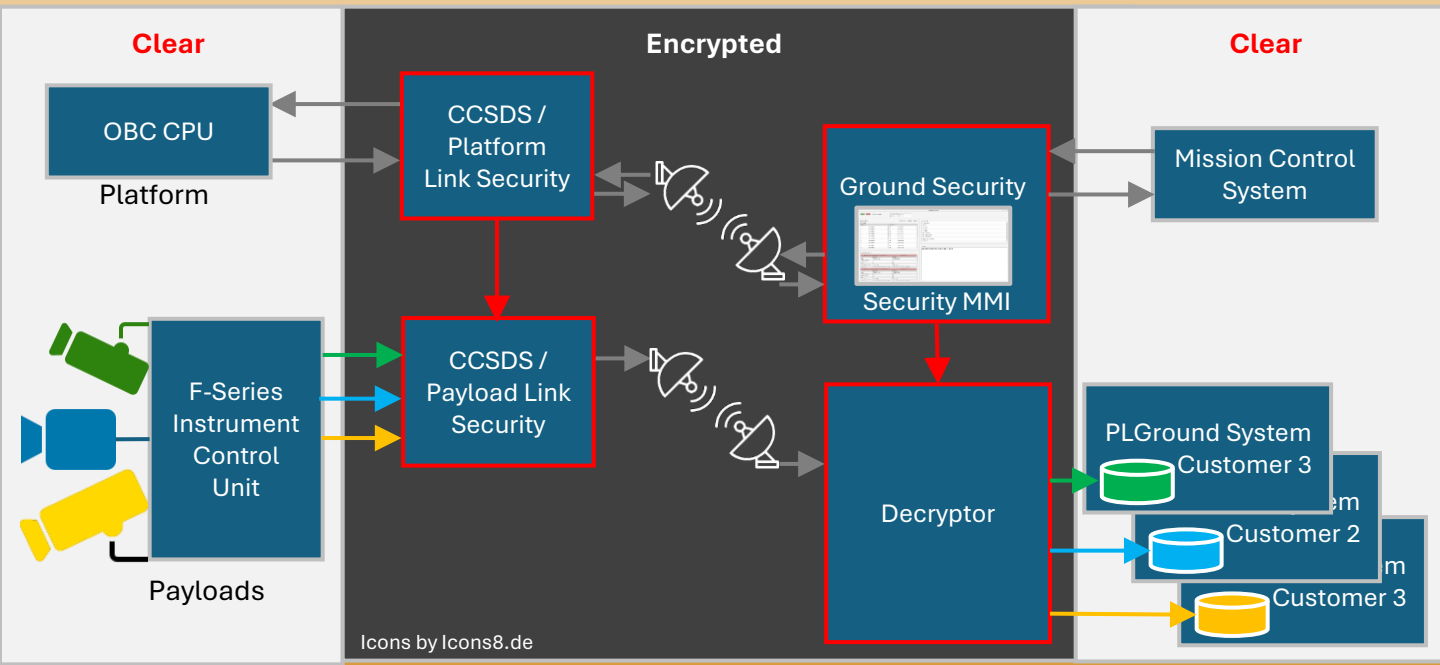
- **Full Red/Black separation** versus CPU Boards / Onboard SW
- AES 256 GCM Authenticated Encryption
- Featuring Over the Air Rekeying/Key uploads
- Communication fully anti-replay hardened
- **For Platform and Payload**

Ground Module



RUST Module connected to MCS:

- Compatible with most Mission Control Systems
- **Full Red/Black Separation**
- COP-1 Protocol kept managed by MCS
- **Platform and Payload Link Management**



MESH ORBITAL GMBH

Protec HighRel Components

AIRBUS