

Experience and flexibility for Classic and New Space:



Customized design

Complete Electronic design – HW, FW & SW



High Processing Units

ICU, OBC/M, RTU



Power management

PSU, PCDU, PDU



Space cryptography



State-of-the-art Line of Sight stabilisation



Satellite Testing

EGSE, SCOE



Full in-house capabilities for Manufacturing, Assembly, Integration & Testing

Area of 18.000 sqm & 400 employees.

1000 sqm of clean space, distributed in 4 clean rooms:

- 3 class 100,000 (ISO 8)
- 1 class 10,000 (ISO 7)
- Laminar flow bench of class 100 (ISO 5) to assemble electro-optical equipment and flight electronics.



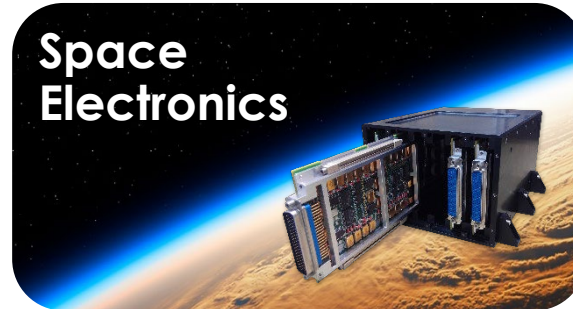
Contact our specialists

aerospace@oesia.com

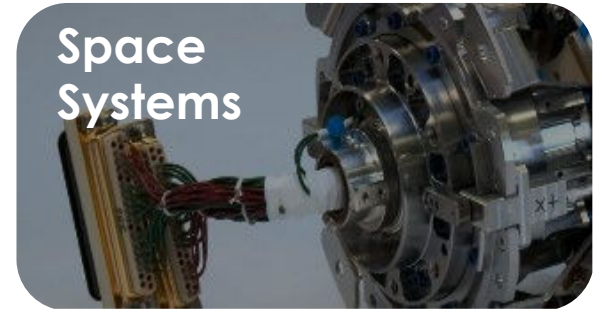
Space

Customized solutions for your Operational Needs

Space Electronics



Space Systems



Broadband Satellite Communications



Secure connectivity & Space Cyber

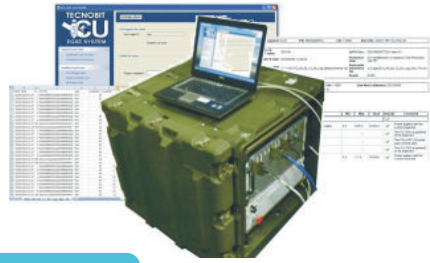


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Space Electronics

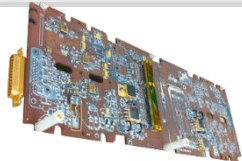
Complex electronic systems customized design

- Electronic Design - FW, HW & SW
- Mechanical Design
- Optical Design
- Ground Satellite Testing Solutions



Space Building blocks

- **Heritage and flexibility** according to application



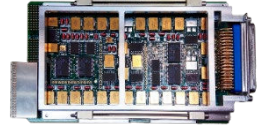
PSU HAG1

GEO Power supply



PSU-1431

LEO Power supply



PDU-1441

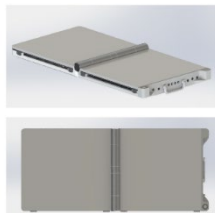
LEO Power Distribution

Broadband satellite communications

Broadband satellite comms terminals in mobility

Comms OTM Land, Railway & Aero
Satcom Engineering – X, Ku & Ka bands

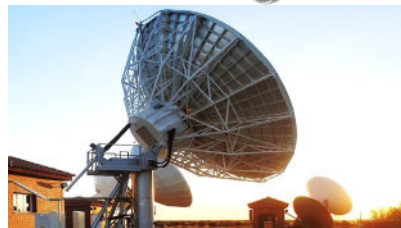
Manpack Ku-band LEO satellite constellations



Anchor stations Ka and X Band

Maritime Satcom

Vehicle integration: Satcom & jammers



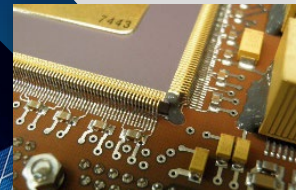
Space Systems

Pointing, Acquisition & Tracking

- Free Space Optical Comms
- All type **space motors actuator drive**

High processing topologies

- In flight real reconfiguration
- Redundancy configuration
- SEE/SEFI mitigation



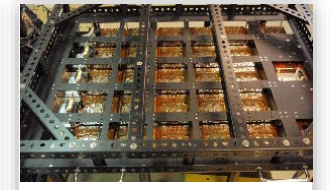
ICUB – 3FT

Robust ICU for GEO



OBC 1411 & 1401M

LEO OBC & Module



On board PPU & PCU

Power Management

Secure connectivity & Space Cyber

Design & MAIT the overall space crypto & QKD portfolio



Keys Generation

Keys Management and Distribution

Encryptors



Key processor

Keys Loading



Key Transfer Devices

Key generator



Space and airborne encryptors



Personal Crypto for dismounted soldier



Galileo PRS receptor

