

Ground segments
 Balloons
 Transversal competencies



Design office in embedded technologies, electronic design, and software.

COMPETENCIES & CAPABILITIES

- **Embedded Hardware (Electronics):** design, validation, integration, and industrialization – 3 engineers
- **Embedded Software:** FPGA, low level, Bare Metal, application, OS (Linux), RTOS (FreeRTOS, QNX, VxWorks), HMI (QT, PcVue) – 7 engineers
- **Embedded System:** co-design and small and medium series production



CIO SYSTEMES EMBARQUES

PRODUCTS & SERVICES

Embedded system realization

- Digital mirror (automotive)
- Penetrometer (industry)
- In-flight entertainment (aeronautical)
- Endoscope (industry)
- Video recorder

Expertise:

- RTOS, LINUX / YOCTO,
- safety, cybersecurity,
- signal processing, image processing, video stream management,
- C / C ++ development and FPGA development.

MAJOR SPACE PROJECTS & REFERENCES

CNES Balloons (since 2006):

- **NPT - Flight software development:**
Platform: OBC - CNES generic module (ARM)
Features : GPS - Fine pointing - Azimuth pointing - IMU - ...
- **BSO/BPS – Ground station**
Platform: PC operator
Features: Remote control telemetry processing
- **Communication and localization system**
Platform: CNES generic module (ARM)
Features: Remote control telemetry processing

POINT OF CONTACT

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TURNOVER 1,4 M€

WORK FORCE 13 employees

SPACE TURNOVER 0,4 M€

SPACE WORK FORCE 5 employees