

Transversal competencies



weeroc

Weeroc is fabless semiconductor company designing and selling analogue and mixed signal integrated circuits. Weeroc has a strong expertise in radiation hardened ICs, analogue design, high voltage design and photodetectors read-out chain. Weeroc also designs ASICs based on customer specifications.

COMPETENCIES & CAPABILITIES

- Low noise, high-speed analogue microelectronics
- Photodetector read-out chips, single photon detection, photon time of flight measurement, LIDAR
- High voltage microelectronics
- Radiation hardening by design, standard cell library hardening
- Radiation measurement
- Scientific instrumentation



WEEROC

PRODUCTS & SERVICES

- End-to-end ASIC design from requirement specification to qualified parts (Class 1 QMLV grade, New Space grade, evaluation grade)
- Portfolio of silicon proven and qualified IPs in different technologies for fast and low risk design
- Catalogue of space COTS (ongoing)

MAJOR SPACE PROJECTS & REFERENCES

- Design of MIL-1553 bus transceivers
- Design of a spacegrade LIDAR read-out ASIC for Europa Lander mission
- Design of a spacegrade LIDAR read-out ASIC using SiPM
- Design of analogue IPs for qualified technology
- Design of an electronic circuit breaker for satellite power rails

POINT OF CONTACT

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TURNOVER 0.7 M€

WORK FORCE 12 employees

SPACE TURNOVER 0.3 M€

SPACE WORK FORCE 6 employees