



MICROTEC
High-Rel Electronics

High Reliability
Electronics

Design,
Industrialization
& Manufacturing



www.microtec-electronics.fr



The industrial partner of your electronics projects



SPACE

Design and production of embedded devices and GSE.



AERONAUTIC

Design, industrialization and mass production of customized products in electronics and mechatronics.



DEFENSE

Design and construction of equipment, reverse engineering and maintenance in operational conditions.



MEDICAL

Recognized expertise in the design and manufacturing of medical devices.



AUTOMOTIVE

Specialized in stress test benches and ECU endurance and metrology benches and sensor characterization.

MICROTEC specializes in the design, industrialization and manufacturing of electronic and mechatronic cards and equipment, test engineering, prototyping, unitary industrial cabling, small and medium series, as well as the MCO.

MICROTEC focuses its activities mainly on the space, aerospace, defense, automotive and medical sectors.

1 | Integrated Offer

Tailored service at each step

Microtec is the industrial partner on all or part of the process, from the study to the manufacturing of your electronic projects, offering its customers an "intervention at all steps".

Innovation, Development, expertise

- System architecture
- Electronic board design
- Equipment development
- Test bench and tools design
- Qualification and validation

MRO

- Hotline
- Maintenance
- Obsolescence management

Quick services

- Mock-up
- Drawers and cabinets integration
- Harnesses manufacturing



Integration of embedded equipments

- Integration
- Functional tests
- Performance tests

High reliability Electronics assembly

- Industrialization
- Process qualifications
- Sourcing components
- Assembly and control
- Deburring and tests



Equipment design

- Space equipment
- Test and validation benches
- Industrial equipment
- Medical equipment



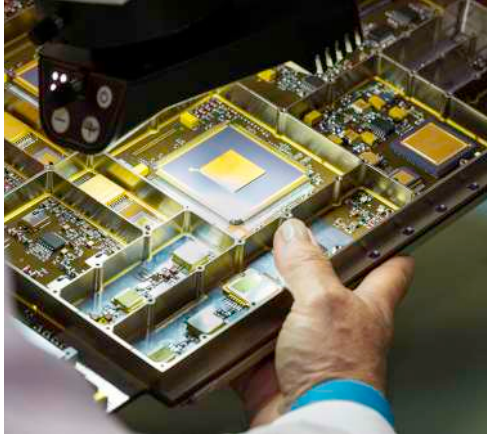
Design and industrial support

- Electronic design, software and mechatronics CAD, CAD
- Industrialization
- Focusing
- Qualification (T °, CEM ...)



Turnkey production of space equipment

- Electronic cards and wiring harnesses
- Integration of boxes, racks, bays
- Mechanical workshop
- Manual and automatic test (SYNOR), Quality Control



PCB Assembling (PCBA)

- Cabling flight card and mixed processes (auto and manual)
- Qualification IPC610A class 3 and ECSS
- Buy PCB and EEE
- AOI 3D and AXI 3D
- Painting, collage
- Deburring, Testing and MIP



Equipment integration

- Electronic & mechanical integration
- Robustification cards and equipment
- Berries & EGSE
- Test and validation



MRO

- Investigation
- Repair
- Standard PART145
- Management and treatment of obsolescence

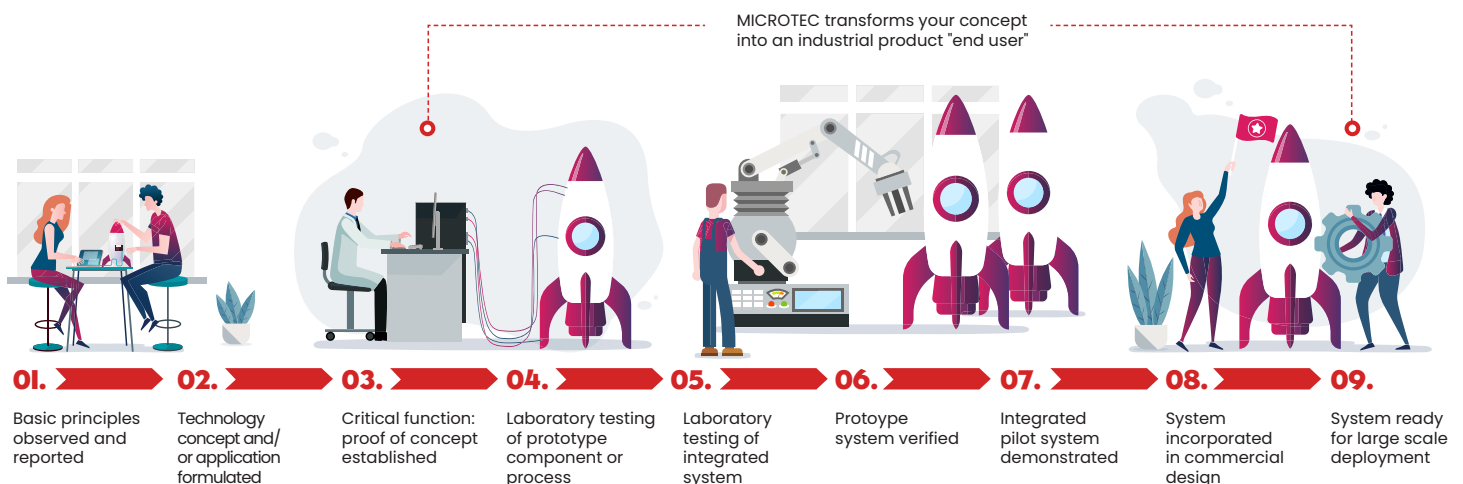
2 | Start Up Offer

WITH more than 40 years of expertise in the design and industrialization of multi-sector finished products, Microtec accelerates the maturity of your products through an integrated service offer from the TRL 3 level to TRL 9, mobilizing all its teams design, industrialization and production.

In addition, Microtec relies on a network of industrial and institutional partners, who are indispensable for transforming a technical concept into an industrialized "end-user" product.

Advice and support of MICROTEC

- > Technical specifications and derisking functional & technological: Model functional
- > Design and development: Demonstration prototype
- > Industrialization and method: Product finalized for deployment
- > Production: Life series of the product





3 | DUAL HI-REL Offer

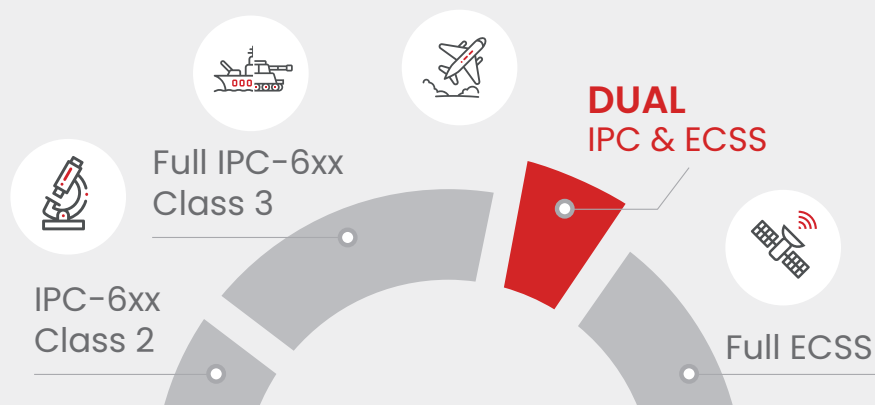
Space Quality at Aeronautic Price

High reliability electronics assembly

- > IPC and ECSS dual expertise
- > Proposal to optimize the cost of assembly by adapting the slider "process quality" to the best compromise "need / cost".

Offer complemented by a wide range of services

- > Study including design and co-design
- > Industrialization including PCB design



MICROTEC adjust the quality process to the best quality / cost ratio



+40 years experience

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Design, manufacturing and after-sales services

Our Means

- > 600 m² of clean room ISO 8-9 (ISO 6 possible); EEE storage & PCB under nitrogen
- > 1,000 m² of industrial workshops ("aero" platform, wired workshop, workshops dedicated to product lines)
- > IPC 610 Class 3 automatic line and project ECSS qualification



Certifications

Our SAV workshop is audited and certified according to PART 145 and our wiring is according to IPC610E and 6210B class 3.



Spatial cabling expertise



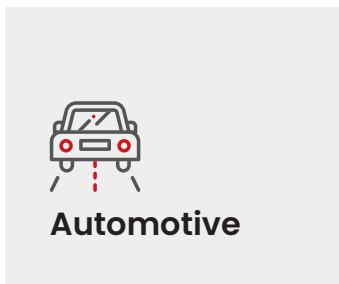
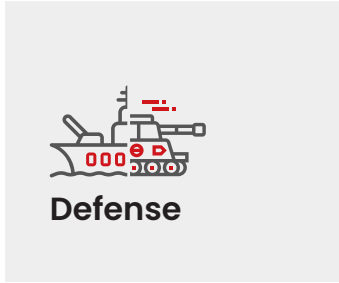
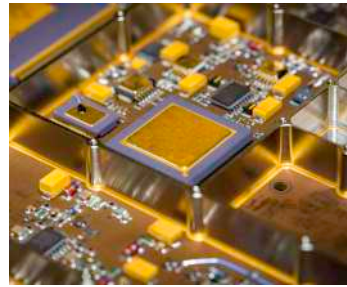
Approved repair station



Major subcontractor



BUSINESS AREAS



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