

Orbital systems
Launchers
Satellites
Ground segments
Transversal competencies



RESA is a French EMS specialized since 1994 in HiRel electronic hardware manufacturing for Space, Defense, Aeronautics and Healthcare :

- Process engineering & process verification
- Electronic boards manufacturing & test
- Control units integration
- Design & manufacturing of ground systems and test stands (incl. electronic boards)

Since 2020, RESA has lead-free manufacturing capabilities.

COMPETENCIES & CAPABILITIES

RESA has 1000m² of clean rooms embedding many capabilities dedicated to space industry:

- A process engineering team
- 25 hand manufacturing operators including inspectors
- Components warehouse and traceability
- 2 Pick and place lines (Leaded and RoHS)
- 2 Wave soldering equipments (Leaded and RoHS)
- 1 Leadless parts Hot Air repair system
- Hand soldering (Leaded and RoHS)
- Coating (Pulyurethan and silicon)
- Test (Flying probes & functional test)
- 1 internal training school (RESA SCHOOL) managed by an ESA instructor

RESA

PRODUCTS & SERVICES

Relying on its more than 25 years know-how in space and HiRel industry, RESA has adapted its scope of services in order to cover a wide range of activities that are complementary to its core business: HiRel electronics manufacturing.

RESA, is able to support its customers at each step of their programs:

- Design to manufacturing
- Process verification, including monitoring systems design
- Process engineering, including tooling & fixtures design
- Manufacturing (Pick&place, hand soldering, coating, inspection)
- Integration
- Test, including test-stands design and manufacturing

Thanks to an effective network of local partners, RESA is able to enlarge its capabilities in order to fulfill customers' requirements such as mechanical parts design and manufacturing and full electronic boards design.

MAJOR SPACE PROJECTS & REFERENCES

Since its birth, RESA has contributed to many space programs, as direct supplier of AIRBUS DEFENCE & SPACE, THALES ALENIA SPACE, ARIANE GROUP, CNES, CNRS, CEA and many other companies.

RESA was involved in the following projects among many others, for civil and defense missions:

Curiosity, Herschel, Pharo, Bepi Colombo, Sentinel, Solar Orbiter, Ariane IV-V-VI, Microscope, Pleiades, Myriade, Alphabus, Euclid, Sentinel 2-5, Doris, Grace, Horizon2020, Microcarb, Myriade-Evolutions, Taranis...

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TURNOVER 3.5 M€

WORK FORCE 40 employees

SPACE TURNOVER 2.5 M€