

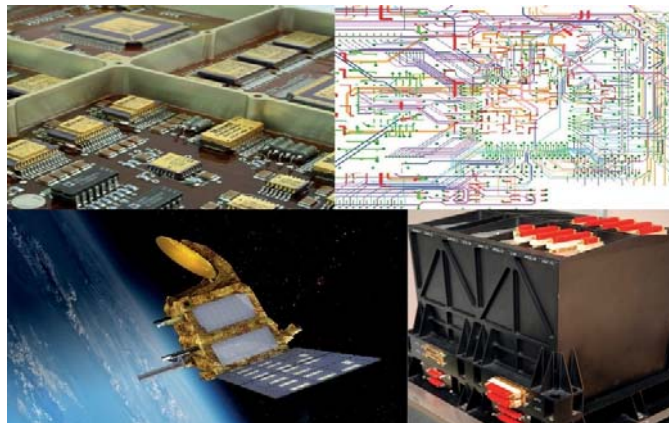
Orbital systems
Satellites
Balloons
Transversal competencies



Firmly positioned in the field of high technology, STEEL ELECTRONIQUE Company carries the bulk of its activities in the field of space electronics, where its main customers are space agencies or research centers (CNES, ONERA, CEA, CNRS...) or Prime contractors like Airbus Defense and Space and Thales Alenia Space.

COMPETENCIES & CAPABILITIES

- Electronic design and development (analog, digital, FPGA, software...)
- PCB layout: high density, flex-rigid...
- Mechanical & thermal design and analysis
- Radiations and reliability analysis
- Components procurement following space quality standards (hi-rel, Rad Hard, or COTS qualification...)
- EMS: PCB assembly according to ESA/CNES qualification
- Qualification and acceptance testing (electrical, vibrations, shocks, EMC, thermal vacuum...)
- Project management according to ECSS and CNES flow
- EN9100 & CNES ASF



STEEL ELECTRONIQUE

PRODUCTS & SERVICES

- On Board Computers for small satellites Platforms or Payloads
- Payload Data Handling (Mass Memories, CCSDS Formatting Units,
- Cyphering, Authentication)
- Instruments and Interface Control Units
- DC/DC converters
- Front-end electronics
- High Performance and Versatile Single Board Computers for
- Nanosatellites / CubeSat
- Interface boards: 1553, Space Wire, RS422, standard I/O, Wizard Link...

MAJOR SPACE PROJECTS & REFERENCES

- Spot, Champ, Grace, Rosetta
- Myriade microsattellites : Demeter, Parasol, Picard, Essaim, Spirale,
- Elisa, SSOT, Alsat-2, VNRedsat, Microscope, Taranis
- Herschel, Corot
- SWARM, SARAL
- Plato, Proba-V, Mascot/Hayabusa-2
- GFO, Myriade-Evolutions / Merlin, SWOT
- Exomars 2016-2020, Solar-Orbiter
- Eyesat, Angels
- Argos-4 / Oceansat-3, Microcarb
- MARS 2020, Euclid, Juice

POINT OF CONTACT

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TURNOVER > M€ 5

WORK FORCE 50

SPACE TURNOVER M€ 5

SPACE WORK FORCE 50