

Orbital systems
Satellites
Transversal competencies



For more than 20 years, TRAD Tests & Radiations has been recognized for its unique expertise on radiation effects. On a daily basis, we assist companies wishing to better predict and minimize radiation effects on their products.

We offer a complete range of services and products allowing us to meet all requirements of the radiation process or applicable norms. Located near Toulouse, we have 800 m² of laboratory space and high-tech equipments.

COMPETENCIES & CAPABILITIES

We propose a complete offer on the whole radiation assurance chain:

- Radiation environment definition/RHA analysis
- Parts sensitivity evaluation
- 3D radiation modeling
- Electronic components testing
- Materials testing and characterization
- Qualified electronic component sourcing
- Analysis and preconization
- Radiation software sales
- Scalable radiation training sessions



TRAD

PRODUCTS & SERVICES

We bring our expertise by offering a large and complementary panel of services:

- Electronic components radiation testing, materials characterization, component expertise (EEE)
- Test bench development for TID and SEE on basic to complex integrated circuits, memories, ASICs, FPGAs, etc.
- Technical assistance to radiation, facilities rental incl. Co60 and Vacuum Electron irradiation facilities
- Sourcing of reliable and durable EEE components qualified to radiations (Dose and destructive single effects)
- A wide range of industry-specific software: FASTRAD® & OMERE (space applications), RayXpert® (nuclear & medical)
- On-site training courses for dose calculation, radiation space environment, radiation effects on components & materials, etc.

MAJOR SPACE PROJECTS & REFERENCES

Mission LAPLACE, Mission PHOIBOS, Mission JUICE, équipements ICARE (satellites JASON et SACD), GLOBALSTAR, IRRIDIUM, PLEIADES, GALLILEO, ONEWEB, etc.

We are proud to assist major companies and agencies worldwide such as: 3D Plus, Airbus DS, CERN, CNES, E2V, ESA, IRSN, ISS-Reshetnev, NASA-

JPL, Sagem DS, Sofradir, STMicroelectronics, TESAT Spacecom, Thales Alenia Space, etc.

We also cooperate with international laboratories & universities such as The MIT, Hepia, etc.

POINT OF CONTACT

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TURNOVER > €6m

WORK FORCE 49

SPACE TURNOVER > €5.5m

SPACE WORK FORCE 45