

Transversal competencies



ELEMCA is an independent laboratory, privately held. Our facilities are partially based in the French space agency (CNES, Toulouse – France).

Our customers are key industrials involved in demanding markets: aeronautics, space, automotive, rail, energy, electronics assembly (EMS), semiconductor devices and ALM (3D metal printing).

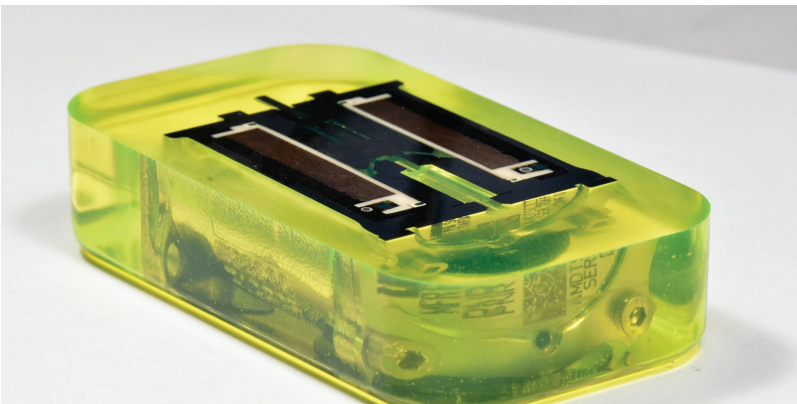
They rely on ELEMCA since 2003 and especially appreciate our reactivity and the high level of expertise provided in our reports.

COMPETENCIES & CAPABILITIES

We control and analyse their electronic hardware (raw materials, components and assembled boards) and ALM parts in order to:

- enable their design choices (comparative characterization of materials, digital simulation)
- qualify their products (quality control of assembly; dimensional conformity; environmental aging...)
- understand and diagnose fault at board or device-level

ELEMCA added value: a clear diagnosis, delivered by our team of experts in electronics & materials, and based on the scientific interpretation of the results obtained in our lab.



ELEMCA

PRODUCTS & SERVICES

EEE parts testing: boards & components

PCBA compliance (microsections under ECSS criteria); DPA; construction analysis; RX2D/3D; failure analysis; hermeticity testing; die shear; wire pull.

Material characterization

Outgassing (TML CVCM RML); thermal analysis (TMA, DMA, DSC, ATG) [-150°C; +500°C]; mechanical static testing (tensile, 3-points bending).

Environmental testing

Thermal vacuum; thermal cycling; climatic.
+ electrical power supply & monitoring.

MAJOR SPACE PROJECTS & REFERENCES

ELEMCA customer portfolio

Aerospace OEM AIRBUS DEFENCE & SPACE, DASSAULT, ECA AEROSPACE, ESA, ESTERLINE, LATECOERE, LEONARDO, LIEBHERR, MEGGITT, NEXEYA, SAFRAN, SODERN, STELIA, THALES ALENIA SPACE

EEE components LYNRED, RAKON, TE CONNECTIVITY, TDK, TELEDYNE

ALM parts 3D SYSTEMS, FUSIA, LAAM, OPT'ALM, POLY SHAPE, VOLUM-E, WEARE ADDITIVE

Major space programs & instruments (in collaboration with CNES): CHEMCAM, INSIGHT, JUICE, MICROCARB, MICROSCOPE, SUPERCAM, SVOM, TARANIS.

POINT OF CONTACT

ADDRESS 13, Avenue de l'Europe, 31520 Ramonville-Saint-Agne

WEBSITE www.elemca.com

PHONE +33 (0)5 61 21 76 42

POINT-OF-CONTACT : LATASTE Clovis, sales manager,
clovis.lataste@elemca.com +33 (0)6 69 46 31 01

TURNOVER 1.28 M€

WORK FORCE 15

SPACE TURNOVER 620 k€

SPACE WORK FORCE 7