



ELECTRICAL CONTACTS

Testing the reliability and durability of your products is complicated. Until you find the right partner.

CONTACT US



202 rue de l'Île Napoléon
68400 Riedisheim · France



+33 (0) 3 89 45 70 11



contact@geoconnectics.com



SCAN ME



RELIABILITY TESTING LABORATORY

EXPERTISE IN CONNECTORS
& ELECTRICAL CONTACTS

IMPARTIAL & FOR
INDEPENDANT 23 YEARS

WE WORK IN TECHNICAL & INDUSTRIAL AREAS



Automotive



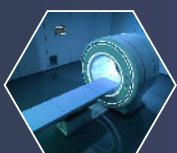
Aeronautics



Railway



Consumer products



Medical devices



Military

OUR QUALITY APPROACH

We have an **R&D label** for Research Tax Credit, allowing our French customers to obtain a tax deduction of 30% on their projects.

We also are accredited according to the CEI 17025 standard by **COFRAC** since the 14th April 2020. Our accreditation area is built on EN 60512 standards and manufacturers specifications (contact resistance). The 1-6763 scope is available on the COFRAC website.

OUR VOCATION

The vocation of our company is specifically the characterisation of **electrical contact**.

We characterise the conductive metals through which electrical energy circulates.

We also identify the materials which insulate the current flow.

IMPARTIALITY, INDEPENDENCE & INTEGRITY

100% independent, we do not hesitate to take a stance in our interpretations and declarations of conformity. We also ensure confidentiality over the conduct of your tests, from implementations to findings.



**QUALITY
& SAFETY**

RELIABILITY TESTS

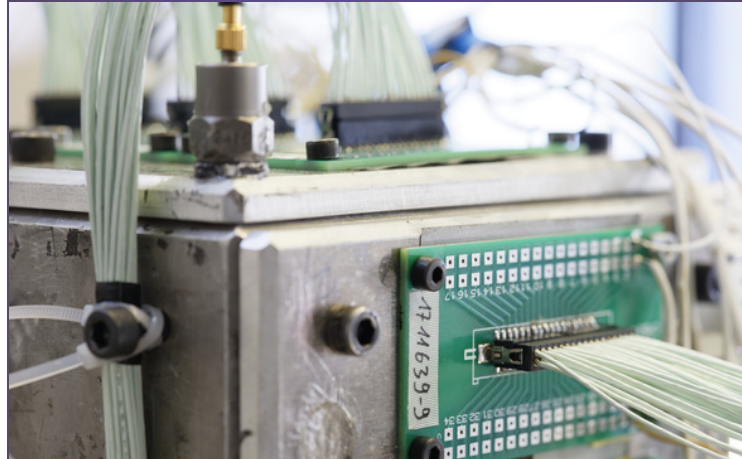
We perform various reliability tests

- Heating, current cycles vibrations
- Mechanical shocks, slow motions on crimped terminals
- Corrosion
- Climatic accelerated aging

CONTACT - INTERFACES CHARACTERISATION

We characterise contact and electrical interfaces

- Derating tests
- Fretting corrosion
- Electro-migration
- Micro hardness, rugosity



EXPERTISE OF FAILURES

We conduct failure investigations

- X-ray micro-analysis, tomography
- SEM imaging
- XPS, DSC, infrared microscopy
- IMC growing, cross section



**CONFIDENTIALITY
& IMPARTIALITY**

CONNECTOR, SHIELDING AND CABLE PARAMETERS - EMC

We perform EMC measurements and check signal integrity

- Transfer impedance
- Enhanced frequency & time domain
- Return loss
- Screening attenuation
- Eye diagram

SOFTWARE SIMULATION

We do multi-physical software simulations

- Mechanical
- Electrical
- Thermal
- Non-linear
- Magnetic coupling