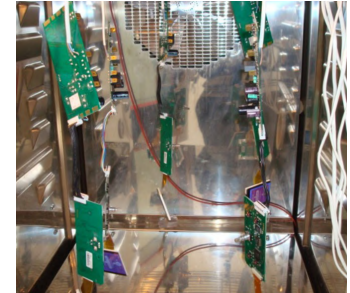




General tests

More than just a laboratory, the AET test center is a real tool for understanding, mastering, improvement and certification.



MAIN SKILLS

- > Measure, quantify, qualify, control, ensure quality, performance and lifetime
- > Ability to create tailor-made protocols to the desired approach, integrating the measure and the evaluation of all types of parameters and suitable for all budgets
- > Ability to transform assessments into recommendations for improvement
- > A metrological laboratory for the verification and calibration of instruments and the measurements of great precision
- > ISO 17025 certification guaranteeing our quality system and the precision of our measurements

SPECIFIC SKILLS

Electrical tests

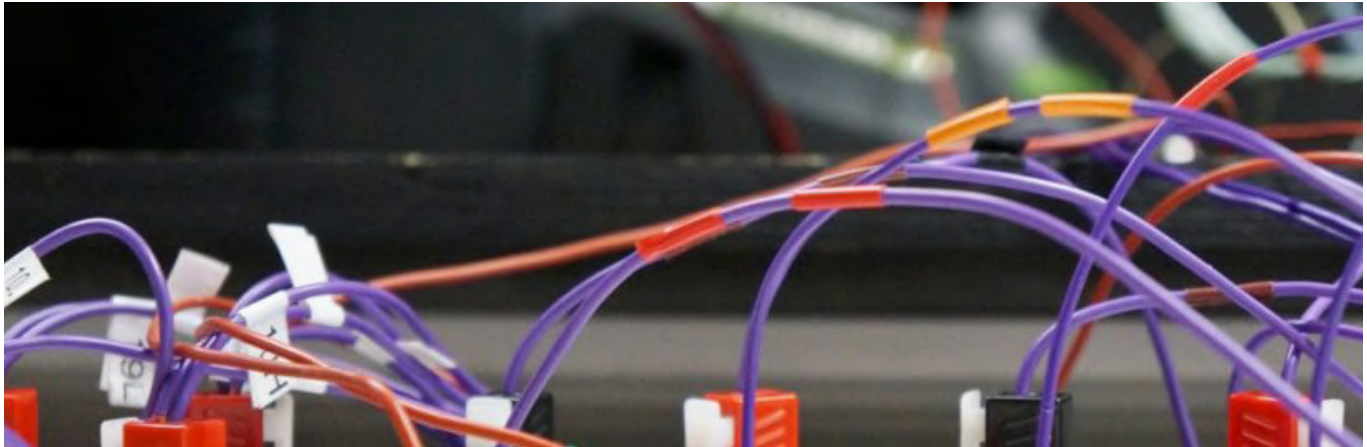
- > All Electrical safety & EMC tests on all types of consumer and professional electrical product
- > Electronic and electrical measurement: voltage, frequency, capacitances, resistances, power and energy consumption
- > Electric cable diameter measurement
- > Tests all voltages, all frequencies (Japan, United States, Brazil, etc...)
- > Dielectric resistance, ground continuity, insulation resistance, leakage current

Environmental testing

- > Tests in climate chambers programmable in temperature and humidity from -50°C to 1000°C
- > Thermal shock
- > Moisture resistance tests
- > Salt spray tests for strength assessment corrosion of materials
- > Infrared temperature measurements and analysis
- > Flammability and fire resistance tests for plastics (glow wire, needle flame, etc...)
- > Brightness, noise measurement
- > Temperature, measurements, heating, black corners tests
- > UV resistance
- > X-ray radiography for non destructive analysis product defect
- > Resistors and holding of markings
- > Sampling and piloting of chemical, bacteriological analysis with our partner laboratory

The + AET

- > Whether assessing safety, performance, user experience or qualifying materials and products, our laboratory is able to test a wide range of products thanks to its many measurement means.



Mechanical testing

- › Strength measurement, rotational speed, resistance measurement at the breakup
- › Cable torsion resistance test
- › Electrical and thermal motor test bench (MAGTROL bench)
- › Impact and shock resistance tests
- › Pressure measurement and pressure resistance tests
- › Leakage tests
- › Multiple benches and automated endurance robots to simulate the lifetime of components, sub-assembly, finished products or applications, fault analysis, root cause reasearch and action plan development
- › Semi-automatic or manual consumer endurance
- › Dimensional measurement and capability



Analysis et expertise

- › Verification of functional embedded software product or application
- › Analysis of faults on products from returning markets for setting up a quality improvement plan
- › Analysis of products from claims or customer disputes
- › Risks analysis according to the identified defects and determination of the market occurrence
- › Creation of performance evaluation protocol for any type of product in benchmark or absolute
- › Development of customer-specific or normative testing means
- › Support and accompaniment for the creation of laboratory test, identification of needs, reseach of means of adapted measures and tests, negotiation, implementing and training of teams, development of device operating procedures and tests
- › Intervention on customer site, in stock, in port, at suppliers and factories
- › Certification support for laboratories in the quality approach
- › Metrology consulting
- › Legal caliber tests for justice expertise and claim marketing