

Endurance and accelerated aging tests

Endurance tests are key elements of the product validation and quality control program.

AET implements life tests with manual, semi-automatic and fully robotic processes for components, subassemblies or finished products.

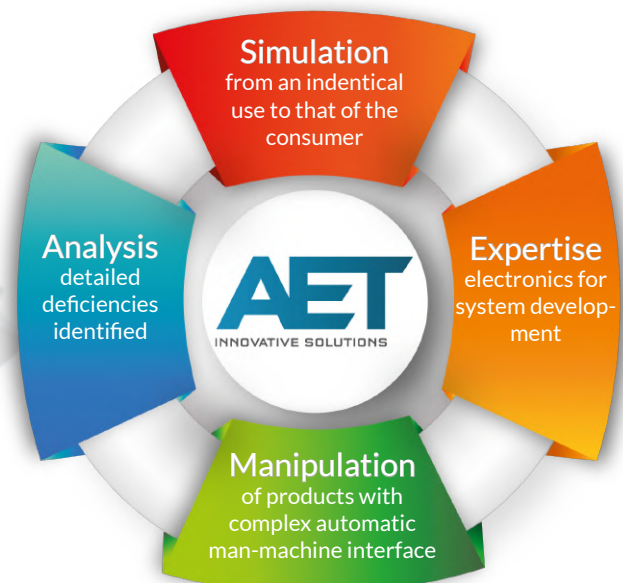
MAIN SKILLS:

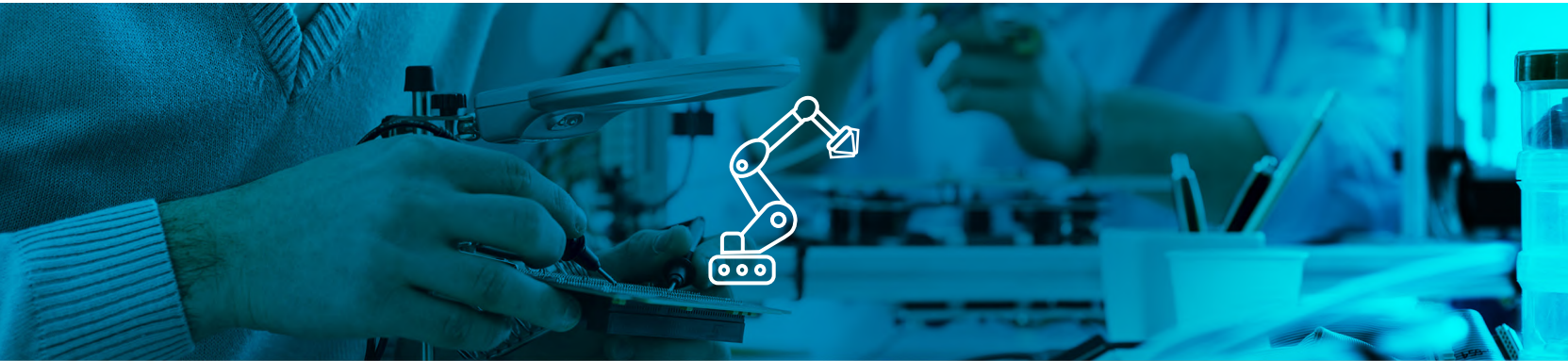
We offer to you:

- > A tailor-made protocol adapted to your needs
- > The study of accelerated aging of the whole or subset of finished products or under design
- > An automated test bench adaptable to any domestic electrical appliance
- > A logic cycle combining mechanical control and data acquisition (temperature, pressure, voltage, force, etc...)
- > Cyclical monitoring of the evolution of the state of the products, as well as an analysis of aging and possible failure modes
- > Periodic performance checks
- > A concrete proposal for technical improvement



SPECIFIC SKILLS:





How?

Thanks to its expertise and its endurance pole equipped with the latest technologies. AET offers a complete range of means of endurance testing and characterization in real environment.

We perform the protocols, the preliminary and intermediate verifications and the defect analyzes. We also propose improvements to make reliable products.

The +AET

- > A robotic test bench, ultra modular, able to apprehend in a versatile way and with controlled budgets of life tests on any type of product or component. Forerunner in the field, AET guarantees a reproducibility and a perfect precision.
- > A dedicated team and expertise in the treatment of your needs and custom protocol writing through our design and prototyping office to offer tailor-made and optimized solutions.

Examples of tests carried out in our endurance division:



> Life tests abrasion resistant non-stick coating



> Engine endurance tests thermal and gearbox



> Endurance tests on barbecues



> Endurance test on irons according to standard: IEC 60311 (Performance measurement method)

Innovation

Forerunner in the implementation of advanced robot technologies in his laboratory, the AET program for the creation of a 3.0 laboratory has been identified by its innovation and is supported by the Normandy Region.



Photos : Istock