



# RELY STATION – TAME TEST x CLIMATS

Climats

Environmental  
test pilot

TAME-TEST

A member of  
**AGON**  
ELECTRONICS

## Industrialised Solution Burn-in & Stress Screening

**RELY STATION** is an industrialized **Burn-in and Stress Screening** solution designed for manufacturers operating in **critical industries** such as embedded electronics, aerospace, defense, medical, space, and nuclear, where product reliability is paramount. It enables the testing of a wide range of equipment, **from electronic components to fully assembled products**, by reproducing **severe and controlled environmental conditions**. Its primary objective is to **detect and eliminate early-life failures (infant mortality defects)** by subjecting products to thermal, electrical, and **environmental stresses**, thereby ensuring reliable operation from the moment they are deployed and **preventing field failures**.

Through an **integrated approach** that combines an **active burn-in test bench**, an **environmental chamber**, **software supervision**, and **control of the devices under test**, RELY STATION delivers a high level of test **accuracy**, **repeatability**, **reproducibility**, and **results traceability**. Its **modular architecture** and **advanced customization** capabilities ensure optimal adaptation to each product and its operational mission profile, while **automated test cycles** and **continuous monitoring** provide enhanced **productivity** and **greater test security** compared with traditional approaches. This solution helps **improve production reliability**, **accelerate validation phases**, and **significantly reduce product returns** and the costs associated with poor quality.



Detect Earlier.

Improve Reliability for the Long Term.

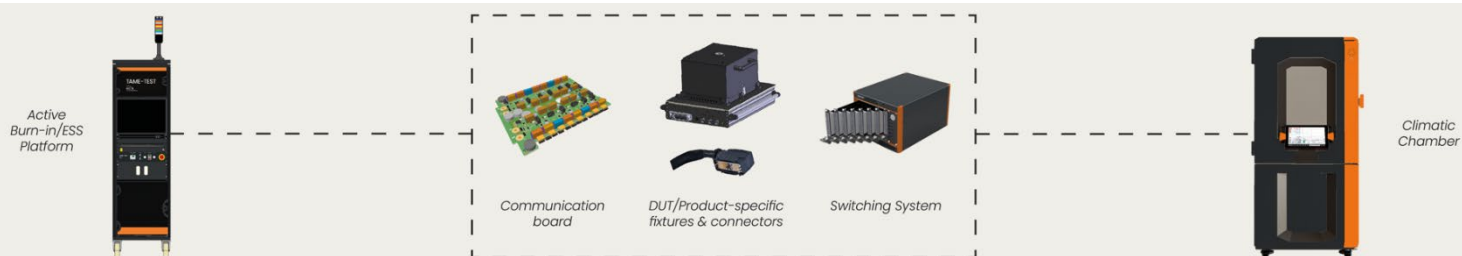
Deploy with Confidence.

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## TECHNICAL SPECIFICATIONS

The partnership between **TAME-TEST** and **CLIMATS** combines expertise in industrial burn-in testing and a comprehensive approach to electronic reliability integrated from the earliest product design stages (TAME-TEST), with advanced capabilities in extreme climatic testing (CLIMATS).

The integration of the **EXCAL 3 climatic chamber** provides precise and repeatable test conditions (temperatures ranging from **-90°C to +180°C**, with humidity levels up to **98%**), while leveraging more than **50 years of CLIMATS expertise** in the simulation of harsh environmental conditions.

By combining **CLIMATS technologies**, **TAME-TEST's expertise in active burn-in test systems**, and dedicated software supervision, **RELY STATION** delivers a consistent, industrialized, and high-performance solution. Configurable according to product requirements and mission profiles, it enables stress profiles that are perfectly aligned with product needs, thereby enhancing the reliability of the electronic products being tested.

### Electronic Failure Model: bathtub curve based on an exponential distribution

Failure rates peak during the early-life stage of a product. By applying advanced Burn-in and Stress Screening methodologies, **RELY STATION** identifies and removes latent defects before deployment, improving reliability from day one and ensuring greater confidence in operation.

#### Infant mortality phase

- ✖ Early-life problems
- ✖ Frequent failures, often due to manufacturing or material defects

#### Useful life Maturity Phase

- ✖ Constant failure rate at its lowest level
- ✖ Corresponds to normal operating conditions

#### Increasing rate End-of-Life

