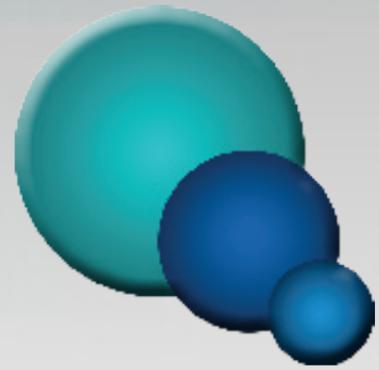


H2P Solutions

Catalyst of projects



H2PS Product



H2PS product is the technical solution for improving your electronical systems.

Accelerated tests management:

- HALT (Highly Accelerated Life Testing)
Robustness plan, Implémentation, Monitoring, Results analysis
- HASS (Highly Accelerated Stress Screening)
Implementation, Validation and verification, Monitoring, Improvements
- HASA (Highly Accelerated Stress Auditing)
Implementation, Sampling size, Monitoring and Control
- ALT (Accelerated Life Testing)
Theoretical modeling, Implementation, Monitoring, Results analysis
- HALT/HASS Chambers(Chart, Qualmark, Thermotron)
Advice and expertise for selecting and installing chambers

Predictive reliability management:

- MTBF Prediction (Mean Time Between Failure):
MIL-HDBK217 (Part count & Part stress), FIDES, Telcordia, RDF
- Life duration estimation
- Components selection, Derating, Parts Stress Analysis, Voltage, Current, Thermal simulation
- Failure Mode Effects and Criticality Analysis (Design FMECA, Process FMECA, Functional FMECA)
- Fault Tree Analysis
- Systems Life and Mission Profiles
- Design for Testing, Design for Manufacturing

Reliability testing management:

- Reliability plan
- Robustness testing: Test definition and implementation
- Aging testing: Acceleration factors, Type definition, Sampling size
- Environmentals testing
- Qualification testing
- Electromagnetic compatibility (EMC) testing
- Reliability growth (Duane, AMSAA)

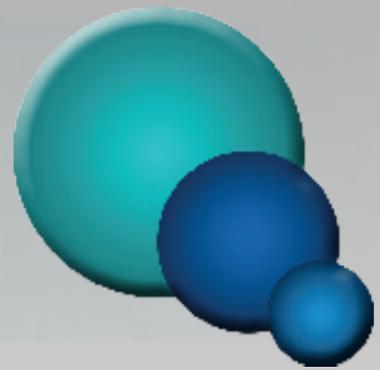
Operational reliability management

- Failure and failure mode analysis
- Data collection and use
- Failure reporting, analysis, and corrective action system (FRACAS)
- Effectiveness measurements: Pareto, Weibull

Immediate benefits:

More efficient and more reliable robust products, anticipating costs of warranty.

H2PS



How this works?

A full-service solution established based on your needs.

FIRST CONTACT

First Contact is Free.
Our team offers to spend one day in complete immersion within your company.

This is a valid field study in order to generate a first hand analysis of your organizational culture, becoming familiarized with your product lines, and a direct assessment of the needs and desires of your employees.

A shared evaluation, based on your strategic guidelines and performances needs then forms the basis of action going forward. All with the shared objectives of the full maximization of organizational potential and effectiveness.

MEASURED MISSION

Based on this shared assessment, we work with you to establish a detailed contract with well defined objectives, performance scheduling with clearly delineated time frames / milestones, as well as pricing for each objective.

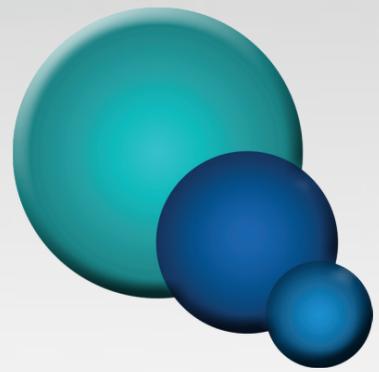
All our solutions are fully adjustable:

- Partnerships are based on short, mid and long term strategies, adjustable to our common needs and objectives.
- A variable level of autonomy.
- Situational adapted coaching and training sessions.
- Detailed budget planning with zero surprise.

FOLLOW UP AND CLOSURE

A monthly or quarterly follow-up is arranged for real-time evaluation and measurement of ongoing actions, new developments and of course, milestones achievement assessment.

A complete review of results will be done at the end of each mission



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