

MILITARY/AEROSPACE RELIABILITY SOLUTIONS

We are the industry leader in **reliability solutions** in the **military and aerospace markets**.

We offer a flexible method of engagement: End-to-end reliability solutions solving specific issues, or providing individual reliability services.

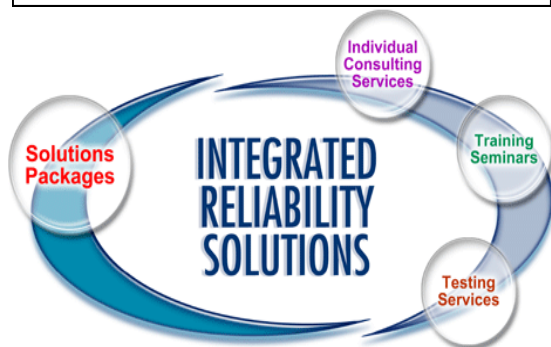
We consult in every life cycle phase, train in every aspect of reliability, and test in our state-of-the-art HALT and HASS Labs™

We provide **Confidence in Reliability**.

MISSION CRITICAL VALUES

- We are committed to Highly Reliable Systems that save human lives
- We successfully design and test critical military scenarios with confidence
- We deliver accuracy and precision to extend product life for each mission
- We deliver customized solutions & consultancy to address Program RAM reqts.

INTEGRATED RELIABILITY SOLUTIONS TO THE MILITARY/AEROSPACE INDUSTRY



Solutions - end-to-end solutions that target the corporate product reliability objectives.

Individual Consulting Services - providing the missing key elements needed for a fully integrated reliability program.

Training Seminars - highly specialized experts in the industry train others in both standard and customized training seminars.

Testing Services - a comprehensive list of state-of-the-art reliability testing services.



OUR SERVICES

PROGRAM MANAGEMENT SERVICES

- End to end Complete Reliability Program Management
- Reliability Assessment/Set Goals/Write RAM Plans

RELIABILITY ANALYSIS SERVICES

- Reliability Modeling/Reliability Predictions (MIL217)
- Reliability, Availability, and Maintainability (RAM)
- Worst Case Analysis
- Component Engineering
- Radiation Hardening Analysis
- Derating Analysis
- Parts Stress Analysis (PSA)
- Electromagnetic Interfer./Compatibility (EMI/EMC) Analysis
- Failure Modes Effects and Criticality Analysis (FMECA)
- Logistics Support Analysis (LSA)
- Materials Selection Analysis
- Preventive Maintenance
- Root Cause Analysis (RCA)
- Sneak Analysis
- Software Reliability
- Thermal Analysis

RELIABILITY TESTING SERVICES

- Accelerated Life Testing (ALT)
- Highly Accelerated Life Testing (HALT)
- Highly Accelerated Stress Screening (HASS)

RELIABILITY IN MANUFACTURING SERVICES

- Failure Reporting, Analysis & Corrective Action (FRACAS)
- Maintenance Audits and Spares Optimization

RELIABILITY SEMINARS

- Best Accelerated Reliability Tests - HALT, HASS, ALT, RGT
- Climatic Testing Fundamentals
- Components Engineering for high reliability systems
- Design for Reliability for military and aerospace
- FMECA - Assessing Mission Criticality
- Root Cause Analysis (RCA)
- Software Reliability for military systems

OPS DELIVERS SUCCESS IN THE MILITARY/AEROSPACE INDUSTRY

Army - Hardware/Software Design for Reliability for FCS Program Road-show. HALT Calculator



ACSS - HALT on collision avoidance systems avionics

Applied Signal - Reliability Prediction, Stress Analysis, and Component Engineering on Airborne SIGINT System.



Aselsan (Turkey) - RAMT work on Space Satellite

BAE - Reliability Assessment for Future Combat Systems

Boeing - Design for Reliability and FMEA Seminars

General Dynamics - Reliability Prediction, Stress Analysis, HALT, FMECA, and EMI/EMC on munitions equipment.

Honeywell Defense - Seminars for hardware & software RAM

Kaiser Electronics (now Rockwell) - HALT for head-up display, ALT for Joint Strike Fighter.

L-3 Communications - Root Cause Analysis training

Lockheed Martin - HALT on missile components, Worst Case Analysis, Radiation Hardness Analysis on space system components

Marvin Engineering - RAM, FMECA, and Worst Case Analysis on power supply for sidewinder missile

Naval Undersea Warfare Center (NUWC) - Design for Reliability and HALT Seminars



Plasan (Israel) - Mech. Reliability/Simulations

Raytheon - Reliability Seminar to impact design of missiles

Rockwell Collins - HALT Seminar for design margins. ALT for Joint Strike Fighter.



Space Systems Loral - Rel Pred, HALT, and test eng for satellite systems

Teledyne Controls - Worst Case Analysis and Radiation Hardening Analysis on various components

Thales - Parts Stress Analysis, Reliability



& Maintainability Allocations Assessments, FMECA, Logistics Support analysis, and Equipment Parts List for the C-17A Drogue Parachute Video System Monitor

United Defense (now BAE) - HALT and HASS on Bradley Tank Electronics



USEF (Japan Space Agency) - HALT Calculator

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 Set-Asides: Small Business.

WE PROVIDE CONFIDENCE IN RELIABILITY !