

ENERGY SECTOR: OIL & GAS

RELIABILITY SOLUTIONS

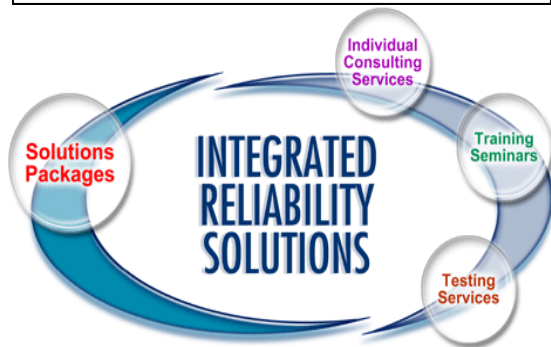
Industry leader in **reliability solutions** in the oil exploration and production market.

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**.

INTEGRATED RELIABILITY SOLUTIONS TO THE ENERGY SECTOR: OIL & GAS



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.



MISSION CRITICAL VALUES

- Committed to Highly Reliable Systems for oil exploration and production to ensure equipment, tool, and production availability.
- Successfully design and test critical production scenarios.
- Deliver customized solutions & consultancy to address RCM requirements.

OUR SERVICES

PROGRAM MANAGEMENT SERVICES

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

RELIABILITY ANALYSIS SERVICES

- Reliability Modeling/Availability Reliability Predictions
- Safety Integrity Level (SIL) Analysis
- Component Derating and Up-rating
- Statistical Analysis Modeling of Field Data
- Pyro-technic Modeling
- Fault Tree Analysis (FTA)
- Failure Modes Effects and Criticality Analysis (FMECA)
- Root Cause Analysis (RCA)

RELIABILITY TESTING SERVICES

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

RELIABILITY IN MANUFACTURING SERVICES

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

RELIABILITY SEMINARS

- Best Accelerated Reliability Tests - HALT, HASS, ALT, RDT
- Climatic Testing Fundamentals
- Component Derating and Up-rating
- Design for Reliability
- FMECA-Assessing Safety & Risk
- Maintainability (RCM)
- Mechanical Reliability
- Preventive Maintenance (PM)
- Reliability Availability and Maintainability (RAM)
- Reliability Centered Maintenance (RCM)
- Root Cause Analysis (RCA)
- Software Reliability

OPS DELIVERS SUCCESS IN THE ENERGY SECTOR: OIL AND GAS

Baker Hughes INTEQ

- Accelerated Life Test Plan review for down-hole equipment.
- Reliability training (Houston/Germany sites) to impact design of LWD/MWD equipment



Schlumberger

- Reliability program assessment
- Pyro-technic Modeling of a shock pulse due to explosions down hole and the effects on the electronics.
- Reliability Model, Program Plan, FMEA, and Test Plan for Subsea Unit
- Statistical Analysis Model on Field Data
- Reliability Symposium – Design for Reliability Seminar for Electrical, Mechanical, and Software. Root Cause Analysis Seminar

Octio

- HALT, HASS Development, fixture design and HASS execution to address 25 year requirements of seabed units.

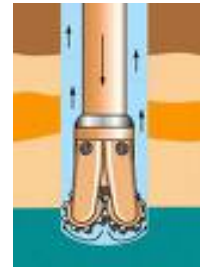


Halliburton – Software Reliability

NOV – Reliability services on RFID product

Western Geco

- Reliability Demonstration Test Plan on subsea equipment.



Chevron

- Reliability Symposium
- Design for Reliability Class

British Petroleum

- Presenter at BP 2005 EPT R^Q Discovery Workshop



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WE PROVIDE CONFIDENCE IN RELIABILITY !