

# Company Overview

Uptime Engineering is dedicated to the development of methods and solutions for achieving optimum system reliability. We offer consulting and customised software tools, catering for customers requiring immediate assistance and long term solutions. Our broad range of expertise includes: test design, failure analysis, materials technology, damage calculation, condition monitoring, statistical methods and optimisation of operation and maintenance. By minimizing the failure rate of your technical systems we can help you to reduce financial risk, improve your product reputation and achieve the highest level of customer satisfaction.



## CONSULTING SERVICES

Uptime Engineering has a track record of successful consulting projects applied across a range of industries. Our services include:

- System risk assessment: top-down and bottom-up analysis to define system architecture, expected loading, failure potential and root cause failure modes
- Design of representative system tests with quantified damage acceleration, specification of loading, environmental conditions, instrumentation and measurements
- Validation programme optimisation: applying reliability engineering at all stages of the process resulting in highly optimised products
- Use of measured field loads in order to assess failure risk, support equipment recall decisions and optimise maintenance activities

## SOFTWARE SOLUTIONS

Our customised software solutions are designed to support all reliability, availability and durability related activities within your organisation. We offer tools that may be applied either stand-alone or as part of a comprehensive software suite, providing:

- Systematic storage of measurement data and definition of system architecture, using state of the art database technology
- Intelligent analysis tools based on physics-of-failure models and statistics
- Expert system for assessment and optimisation of experimental validation programmes
- Field monitoring, optimisation of operation and maintenance

