



Uptime SOLUTIONS™

Uptime SOLUTIONS™ is a complete software package for the optimisation of reliability and availability throughout the lifecycle of your products.

OVERVIEW

Uptime Engineering is dedicated to the optimisation of reliability and availability of complex technical products. A Physics-of-Failure (PoF) approach is used to define the right tests for reliability validation of new products or modifications. For the monitoring of series products in the field we offer risk assessment, classical failure analysis and other optimisation techniques.

The staff at Uptime Engineering have accumulated decades of experience through consulting and engineering projects in different fields and at various stages of product development. Based on this unique combination of know-how we have now developed a powerful web-based software environment to support the systematic optimisation of company-wide reliability activities.

FEATURES

- Modular software suite for reliability and availability optimisation, web-based front end
- Libraries and toolboxes for a wide range of systems and failure modes
- Matlab® scripting of algorithms, fully customisable
- Open interfaces for input and output of data (e.g. .csv, .mat)
- User levels and role management
- Seamless interface between all modules of Uptime SOLUTIONS™
- Customisable reports

CUSTOMER BENEFITS

- Secure database system to support proactive reliability development
- Reproducible, traceable and auditable analysis results
- Validation of complex product programs including variants and common parts
- Definition of test programs based on PoF-analysis
- Integration of the expert knowledge within your company

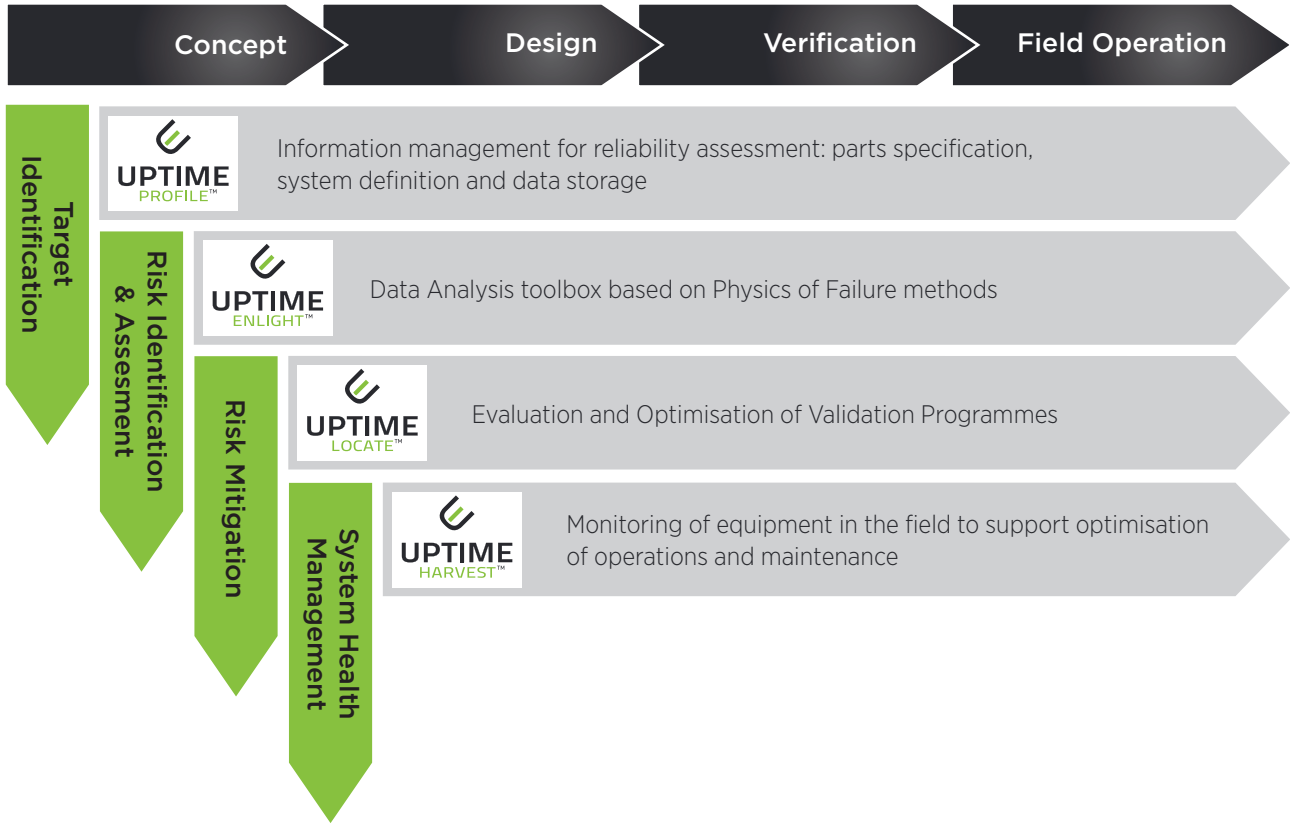
Customer Portal for the web-based Uptime SOLUTIONS™ Software Suite

The screenshot displays the Uptime SOLUTIONS™ software interface. At the top left is the UPTIME ENGINEERING logo. The main heading is "UPTIME SOLUTIONS" in large green letters. Below it, a subtitle reads: "Our customised software tools are designed to form part of a company-wide software platform to support all reliability, availability and durability related activities." A green bar contains the text "Choose your Software Package to Login". Below this bar are four white boxes, each representing a software package with its logo and name: UPTIME PROFILE, UPTIME ENLIGHT, UPTIME LOCATE, and UPTIME HARVEST. Each box has a corresponding description of its functionality.

Software Package	Description
UPTIME PROFILE	Information management for reliability assessment: parts specification, system definition and data storage
UPTIME ENLIGHT	Understanding the influence of load on damage: data analysis toolbox based on physics of failure methods
UPTIME LOCATE	Reliability optimisation prior to production: assessment and monitoring of validation programmes
UPTIME HARVEST	Reliability in the field: condition monitoring, performance monitoring and data mining



SOLUTIONS FOR THE COMPLETE PRODUCT LIFECYCLE



Project: Showcase Hydraulic EN Environment: Prod (929) English Deutsch Signed in as: Admin Logout

Project Name	Scope	Description	Scope	Date of creation	Created by	Updated on	Updated by	Id
Master Hydraulic Systems EN	UE	Collection of hydraulic systems	Hydraulic systems	20.08.2012 15:23:17	mayrhofer	03.09.2012 11:11:47	mayrhofer	98
RELEASE TEST Hydraulics	UE	RELEASE TEST for PROFILE	Hydraulic_Reference_EN	03.09.2012 10:52:03	mayrhofer	03.09.2012 11:02:15	mayrhofer	108
Showcase Hydraulic EN	UE	Reference project for demonstration purpose on selected parts of hydraulic systems	Hydraulic System	06.07.2012 13:30:36	lichtenegge	27.08.2012 14:09:23	grayc	76
Showcase Wind Monitoring EN	LIE	Framework for wind turbine validation projects	Wind turbine	09.08.2011 12:51:52	schenner	23.08.2012 15:19:12	grayc	102

Uptime SOLUTIONS supports risk elimination in various stages

Uptime PROFILE™ is the information foundation for the other modules and provides a user interface during the definition phase of a program.

Uptime ENLIGHT™ and LOCATE™ are typically used during product development to optimise and evaluate test programs

Uptime HARVEST™ builds on the other modules for lifetime and risk estimations and also provides detailed performance analysis on fleet and unit level.