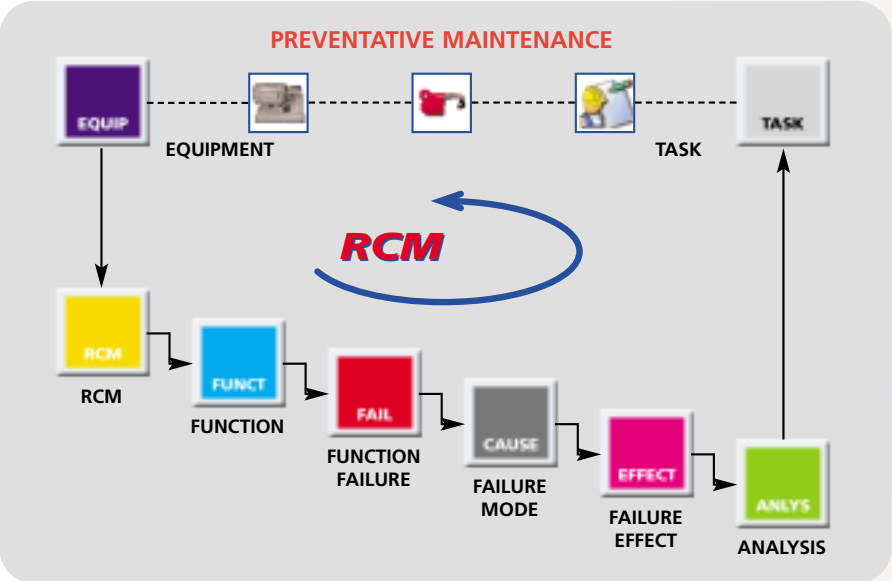
Q4 RCM

Reliability Centred Maintenance



Use Q4 RCM to develop and refine a cost-effective maintenance strategy

Q4 RCM provides anyone involved in reliability studies with the ideal tool to handle the relevant processes and data

Identify the inherent reliability levels of complex equipment with minimum effort

Lower equipment downtime whilst reducing safety and environmental risks

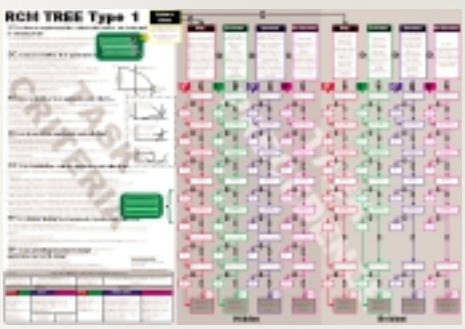
Optimise maintenance costs and improve the productivity of your staff

Encourage team-working with structured and systematic studies

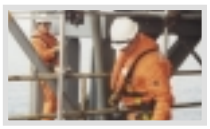
Key features

- Powerful record keeping
- Easy to use & powerful navigation
- Hierarchical equipment information
- Function & function failures
- Failure modes & effects
- Structured consequence analysis
- Step-by-step logic tree analysis
- Task logic tree customisation
- User defined logic
- Failure/maintenance cost analysis
- Risk assessment algorithms
- Planned maintenance task identification
- Maintenance schedule manuals
- Task detail definition
- Study meeting minutes & actions
- Multiple analysis on same equipment
- Ability to add, insert & delete elements
- Library lookups
- Failure lookups
- Security configuration
- CMMS integration option
- Supports Failure Modes & Effects Analysis
- Time saving data copying procedures

Customisable Logic Analysis Trees



Engica provide project led CMMS, INVENTORY, PROCUREMENT, SAFETY and PERMIT solutions for mission critical ASSET MANAGEMENT.

SCOPE

Q4 RCM supports the application of Reliability Centred Maintenance techniques by processing, evaluating and storing information to determine optimum maintenance strategy

- Model system, plant and equipment whilst exercising control and tracking information
- Failure And Failure Characteristics
- Tasks and Task Criteria
- Reliability Measurements
- Inherent Reliability
- Initial Program and Improvement
- Failure and Repair Economics

ADVANTAGE

Three main factors distinguish RCM as a key element in a modern maintenance strategy

- Maintenance tasks are carefully selected for technical suitability by experienced staff
- Once selected, tasks and actions are formally evaluated for risk reduction and cost effectiveness.
- The RCM process places emphasis on ownership of responsibility and commitment to completing agreed tasks.

HIGHLIGHT

"The RAF now require all suppliers of aircraft maintenance schedules to install Q4 RCM software"

- Squadron Leader Mike Pappa

Functions include:

EQUIPMENT MANAGER
Define information on equipment or systems needing reliability analysis.

EQUIPMENT DETAILS
Capture additional and applicable technical details to support the study.

EQUIPMENT LIFE DETAILS
Record technical details such as capacity, model and serial references.

EQUIPMENT COST AND LIFE
Capture life details from construction and commissioning to full life costs.

PROTECTED RISK
Calculate protected multiple failure risks ratios.

RCM STUDY
Define the RCM study and support information.

FUNCTION
Define equipment and system operational functions.

FUNCTION FAILURES
Define what failures can occur to operation functions.

FAILURE MODES
Define the failure modes associated with functional failures.

FAILURE EFFECTS
Define the failure effects associated with each failure mode.

ANALYSIS
Provides a logical approach to determine a maintenance activity (if any) to reduce the risk of failure in light of hidden, safety, environment, operational and non operational consequences.

TASK MANAGER
Supports an after analysis result with the ability to add further task detail to support a maintenance management system.

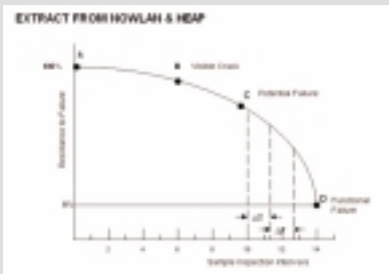
TASK FREQUENCY
Supports the choice of a desired inspection or maintenance task interval.

COPY
Duplicate common study sections for analysis.

LIBRARY FUNCTIONS
Common tree Functions through to Tasks can be stored in a library to create speedy lookup selections.

* In addition to the industrial Q4 RCM a military and aeronautical version is available. Plus an addition SPD module is also available to support air fleet maintenance schedule production

Potential Failure Curve



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Compatible with Microsoft Operating Systems (Windows 98, NT, 2000 and XP).
Can be accessed remotely using browser and emulator technologies.

Product Code 0330