PIERIAN ACADEMY

RCM ANALYZER
& Training Courses

RCM Analyzer is a web-based software application designed to assist in performing RCM analysis and provide a repository for analysis decisions that are easily reviewed as needed. It supports an RCM analysis process compliant with SAE JA1011 as well as NAVAIR 00-25-403.

FEATURES

- Develop hardware hierarchies
- Perform comprehensive Failure Modes, Effects, and Criticality Analysis (FMECA)
- Upload and store supporting source data (such as spreadsheets and graphics) for each failure mode
- Cut, copy, and paste large parts of analysis within projects and add from other projects (project templating)
- Compare cost and down-time of various failure management strategies to identify the preferred option
- Package tasks into an efficient maintenance plan
- Track changes to the analysis over time through revision management
- Manage workflow of the RCM project
- Full integration with the OptiAM® Enterprise Asset Management suite

BENEFITS

- Save time and effort in the data entry and analysis processes with an easy to use intuitive interface
- Minimize down time and operating costs by identifying an optimal preventive maintenance program
- Minimize set up time and cost through a web based SaaS platform
- Increase efficiency through a secure internet accessible system
- Eliminate duplication of effort through shared data model
- Reduce training and problem resolution time with professional technical support and expertise
- Improve RCM project efficiency with embedded project management tools and reports

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RCM Training

RCM Training provides instruction and practice needed to apply Reliability Centered Maintenance (RCM) analysis to physical assets.

What you gain:

- An introduction to the philosophy, theory and practical experience needed to implement and perform RCM analysis
- Instruction in the Society of Automotive Engineers (SAE) Standard JA1011 compliant RCM process
- In-depth understanding of RCM disciplines as they relate to developing efficient preventive maintenance programs
- Experience developing effective failure management strategies
- An understanding of RCM's role within asset management
- Experience identifying opportunities that may warrant a more in-depth reliability analysis

Course design:

The course provides 3-Days of classroom instruction for a total of 24 training hours and includes:

- Training materials
- Lectures, supported by on-screen presentations
- Demonstrations
- Large group discussions
- Case studies
- Practical hands on exercises to reinforce practical experience
- Virtual training available

Part 1: Introduction to RCM analyzer software/hardware breakdown and Failure Mode, Effects and Criticality Analysis (FMECA)

Part 2: Interactive facilitated RCM analysis

Part 3: Students perform an independent RCM analysis on a representative system or equipment to reinforce principles learned in the class

Advanced RCM Training:

The RCM Advanced Topics is a 2 day course designed for experienced RCM analysts that are responsible for implementing the RCM process. This course addresses topics such as P to F Interval Determination, Project Management and Wiebull Analysis. You will examine case studies to address implementation and integration issues.

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