Risk-Based RCM

A proactive approach to execute the right tasks at the right time

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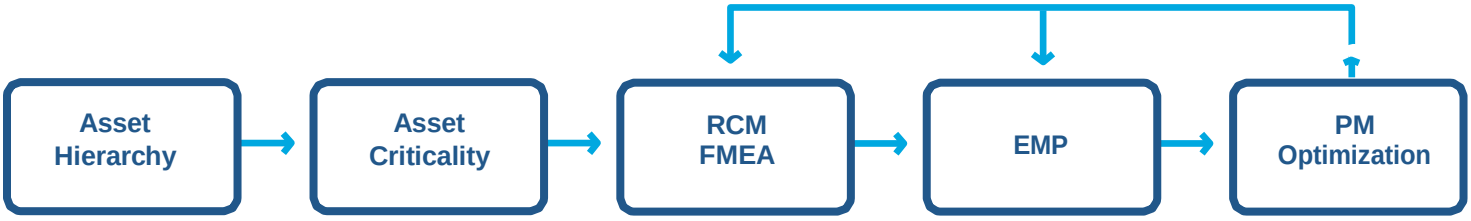
Risk-based RCM

Reliability Centered Maintenance (RCM) is a proactive approach to execute the right tasks at the right time to increase reliability and availability and optimize total cost of ownership. Explore its components to learn more.



Classical RCM

Focuses on preserving a system's function by identifying potential critical failures and activities to avoid them.

Risk-based RCM

Includes the principles of RCM with additional focus on risk and program optimization.

Asset Hierarchy

A logical asset infrastructure framework in a parent-child hierarchy clarifies what assets you have, where they are on site and more, in order to track maintenance work history and cost history.

Asset Criticality

Use an objective, quantifiable process to identify your most critical assets based on risk.

RCM FMEA

The 7 core RCM steps are documented in the RCM Tool, relying heavily on the Failure Modes and Effects Analysis (FMEA) to develop Equipment Maintenance Plans (EMP).

EMP

An output of the RCM Tool, the Equipment Maintenance Plan (EMP) is a collection of maintenance tasks and their frequencies.

PM Optimization

This continuous improvement process (PM-Preventive Maintenance) evaluates current maintenance plans and improves them, revisiting the FMEA and EMP routinely to validate and improve current maintenance strategies.

The traditional, 7-step RCM approach combined with the Risk-Based processes before and after it compose a robust program for effectively managing equipment availability and productivity.