

Reliability Centered Maintenance

What is it?

Reliability Centered Maintenance (RCM) is a systematic approach to developing a cost-effective maintenance strategy based on knowledge of how a product/system fails (random, wearout, etc.) and the financial consequences of failure. Scheduled inspections/replacement, condition-based maintenance and periodic overhaul are used in combination as part of an effective RCM strategy. RCM is a key element of asset management.



What's the payoff?

The most economical RCM strategy is based on the perceived or actual condition of critical materials, parts, components, etc. The RCM process defines appropriate replacement/overhaul intervals and “packages” tasks into scheduled blocks. It also facilitates the identification of spare parts requirements and the most effective scheduling of manpower. RCM makes it possible to define a maintenance strategy that minimizes the risk of failure and optimizes overall ownership costs.



How can we help?

- › Perform RCM analyses on your products to optimize your maintenance process
- › Develop an RCM process software tool for your organization's internal use
- › Develop a failure data collection and analysis process to “feed” your RCM strategy
- › Provide advisory services in other areas of maintenance management, such as Computerized Maintenance Management Systems (CMMS) or Condition Based Monitoring (CBM)
- › Train your staff in the RCM approach and methodologies

