

Improve reliability and supportability

with proven maintenance and logistics analysis tools and services



Reliability-Centered Maintenance

Solutions Delivered

Reliability-Centered Maintenance (RCM) is an analytical process used to determine an optimum maintenance program using knowledge of failure characteristics and operating experience of physical assets. RCM provides recommendations for preventive maintenance tasks, design changes, and equipment and process improvements. RCM can be used to determine whether implementing new technology, such as predictive maintenance (PdM), or updating installed hardware is necessary or cost effective. Originally conceived in the 1960's to develop preventive maintenance programs for commercial aircraft, the RCM process has been refined and applied in virtually every industry over the past four decades.

RCM Advantages for Every Sector

Original Equipment Manufacturers leverage our experience and understanding of governmental RCM requirements on new systems. We can perform analysis faster, at a lower cost, with increased customer satisfaction, compared to efforts performed in-house.

Government agencies rely on our experience with RCM for in-service systems to reduce maintenance costs while increasing asset reliability and availability.

Commercial enterprises use our extensive knowledge of RCM on a broad spectrum of equipment with a SAE JA1011 compliant process that does not require continuing licenses or external support commitments.

Benefits of RCM

- Improved Operating Safety
- Hazard Risk Reduction
- Reduced Maintenance & Operating Costs
- Reduced Asset Downtime
- Increased Equipment Life
- Continuous Improvement of the Maintenance Program
- Documentation Trail for Maintenance Decisions
- ROI within Weeks or Months

About Us

Andromeda Systems Incorporated provides tools and services to **Program Managers** and **Fleet Owners** to gain critical insights and system improvements to **optimize operations, make better business decisions and achieve measurable cost savings**. Benefits are provided through these **integrated service areas**: Engineering, Financial Services, Force Planning, Industrial Operations, Information Technology, Program & Acquisition Management, Reliability, Maintainability, Supportability, and Technical Publications.



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Andromeda Systems Incorporated provides expert, flexible, and cost effective support for developing and implementing RCM maintenance programs. Our team has extensive experience performing and implementing RCM analysis on a wide variety of systems, using several different processes and implementation methods. Working on behalf of military, government, and commercial customers, we have performed RCM analysis on weapon systems, industrial facilities, data centers, power plants, and manufacturing plant equipment. More recently, we have led the industry in the integration of RCM with advanced analytical techniques and condition monitoring systems.

Capabilities

Analysis

For customers that do not have the staff or desire to in-source analysis, ASI can provide experienced analysts to perform RCM. Our analysts have experience in a wide range of industries and are experts at working with your subject matter experts to ensure the analysis captures relevant internal experience.

Consulting, Mentoring & Facilitation

Rely on our highly experienced experts to help you set up an internal RCM program and provide mentoring until your personnel are ready to perform on their own. Where a facilitated group analysis approach is required, ASI can provide experienced facilitators for the entire analysis or help develop and train your staff.

Integration

Integration of RCM with other initiatives and systems including CBM+, logistics data systems, and maintenance management systems can substantially increase the benefit of RCM. We support integration efforts with CMMS such as setting up equipment hierarchies and failure coding structures to providing effective data for the RCM process. We perform maintenance task analysis for requirements generated by RCM and software interfaces for data flow between logistics, maintenance systems and RCM. We integrate automated data collection systems to provide near real-time failure and maintenance data to the RCM analysis.

Training

Our training options include regularly scheduled classes and on-site courses. On-site courses can be tailored for a specific industry or program.

Courses include:

- Fundamentals of RCM Analysis (3 days)
- RCM Implementation & Advanced Topics (2 Days)
- RCM Executive Overview (2 hours)
- RCM Concepts Overview (½ day)
- IRCMS 7.0 Update Course (1 day)

Preventive Maintenance Plan Development

ASI can assist with using the results of RCM efforts to develop efficient maintenance programs. We have worked extensively with NAVAIR's Integrated Maintenance Concept (IMC) and Event Based Maintenance (EBM) concept.

Software Development & Implementation

ASI can develop custom software applications to support your specific analysis needs. We are experienced in developing web-based and desktop applications and integrating RCM programs with other applications such as CMMS and LSA systems.



Visit www.WebRCM.org



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