

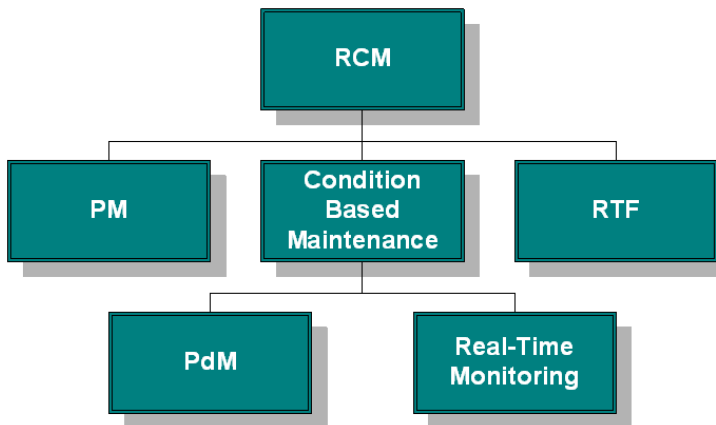
Reliability-Centered Maintenance Services

*High Technology Solutions
for the Producers, Distributors
and Users of Electric Power*



Background

Reliability-Centered Maintenance (RCM) is a process that employs modern methods and technologies to determine the most effective maintenance approach for your system or facility. Starting from classical RCM approaches, Cadick Corporation has developed a set of unique, cost-effective services that will produce the same results as classical approaches at greatly reduced prices. As can be seen from the block diagram below, RCM philosophy employs preventive maintenance (PM), Predictive Maintenance (PdM), Real-time Monitoring (RTM), and Run-to-Failure (RTF) techniques in an integrated manner to increase the probability that a machine or component will function in the required manner over its design life cycle. Cadick Corporation (CC) is at the forefront of the electrical RCM industry and offers a variety of state-of-the-art services.



Predictive Testing

Our maintenance engineers and specialists work with your personnel to properly design and implement modern, predictive testing procedures such as: vibration analysis, infrared imaging, oil sampling and analysis, motor testing, and other such methodologies.

RCM Studies

CC technical personnel comprehensively evaluate your systems and equipment and generate a maintenance plan that has the proper balance of appropriate maintenance activities. An RCM study provides the following critical information:

- An operationally prioritized list of your equipment and systems.
- Identification of hidden or incipient failures.
- Areas where unacceptable failure cannot be eliminated with maintenance.
- A maintenance program that will achieve maximum reliability at minimal cost.

Maintenance Program Evaluations (MPE)

Not sure if you need or are ready for a comprehensive RCM Study? A rigorous, cost-effective CC maintenance program evaluation tells you the current state of your maintenance program and what steps are required to achieve maximum cost-effectiveness. Simpler and less costly than an RCM study, an MPE offers much of the information that you need.

There's more
to learn about
Cadick Corporation's
RCM services

Root Cause Failure Analysis (RCFA)

Even a perfectly implemented RCM program cannot eliminate all failures. RCFA answers three key questions:

1. Why did it fail?
2. How did it fail?
3. What preventive actions will prevent future failures?

A CC Root Cause Failure Analysis will provide answers to reduce repeat failures.



Benefits

Cadick Corporation offers a variety of high-quality, state-of-the-art RCM services that allows you to ensure that your system is being maintained and, therefore, operating in the safest and most cost-effective manner. With your services customized to your specific needs, you can be sure that your maintenance program is truly a 21st century effort.

Maintenance Data Analysis and Reporting

CC uses state-of-the-art programs that will analyze and trend your maintenance data. Much of our software has been developed in-house by our own engineers and programmers. Let us analyze your data so that you will really know the condition of that transformer or that motor.

Condition Assessment

The condition assessment process is a continuous process — not a series of independent events. In a mature RCM program, Condition Assessment confirms the validity of the RCM program by evaluating the its results. Let CC design and implement a formal, continuous Condition Assessment program for your facility.

Maintenance Procedures

Regardless of the evaluation methods, electrical maintenance is always based on specific procedures performed on individual pieces of equipment. Let CC review, evaluate, develop, and implement specific, step-by-step procedures for your maintenance program.

For more information
Visit our website at
<http://www.cadickcorp.com>

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