



Reliability Centered Maintenance (RCM)

What is RCM?

Reliability Centered Maintenance (RCM) is an engineering framework that enables engineers to empirically devise an optimum maintenance regime for plants. In recent years, maintenance and operation performance of power and process plants has assumed far greater importance, resulting in the development of new maintenance philosophies and techniques.

RCM, is an industrial improvement approach, focused on identifying and establishing the operational, maintenance and capital improvement strategies that will manage the risks of equipment failure most effectively.

With the application of RCM principles, maintenance is evaluated and applied in a rational manner that provides the most value to a system's owner/ manager/ operator. The objective of RCM is to achieve reliability for all of the operating modes of a plant systems / equipment / components at an optimised cost.

Benefits

The main advantage of an RCM approach is that future Preventive Maintenance based tasks or RBIs (Risk Based Inspections and Maintenance) planning based on Risk Based Maintenance Strategies will be subject to objective and methodical review, which allows resources to be allocated to the highest risk areas first.



ETD Offers

ETD offers RCM study for Fossil Power and Process Plants (Petrochemical, Refining etc.). We offer to develop and establish complete RCM program for your plant along with the guidelines for its implementation. This can be done for a plant as a whole or its individual critical systems/ equipment/ components (e.g., gas turbine, boiler/HRSG, steam turbine, BOP etc. in the case of a power plant).

ETD experts have already completed a number of projects related to maintenance strategy for the whole plants including major critical equipment i.e., GTs, STs, Conventional boilers, HRSGs and Generators. We are thus ideally placed to deliver these requirements for the benefit of plant owners, operators and shareholders.

In addition, the following additional options are also available:

- Complete audit of the existing programs,
- Development and implementation strategies,
- LTSA review and the integration of the same with improved programs.

For enquiries please write to: enquiries@etd-consulting.com