

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 plants has assumed far greater importance, resulting in the development of new maintenance philosophies and techniques.

Reliability Centered Maintenance, often known as 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.

ETD Consulting has now launched a comprehensive proposal entitled 'Fossil power plants - development of reliability centered maintenance (RCM) program with implementation guidelines', ETD proposal no. 1353-tp-prop14. This covers RCM of the full plant, major equipment or plant mandatory operational systems. The proposal is available for discussion.

ETD offers a complete RCM Study and implementation guidelines of following categories of plant:

- Fossil power plants;
- Petrochemical plants;
- Process plants.

In addition to the design of Maintenance and Reliability programmes, the following additional options are also available:

- Complete audits of existing programmes;
- Development and implementation strategies;
- LTSA reviews and the integration of the same with improved programmes.



ETD Consulting is able to develop and establish RCM programmes, along with guidelines for implementation. This can be done for Fossil Fuel Power Plants as a whole or its individual critical Systems / Equipment / Components (e.g., Gas Turbine, Boiler, Steam Turbine, BOP etc.).

ETD has completed a number of projects related to maintenance strategy for whole power plants including major critical equipment i.e., GTs, STs, Conventional boilers, HRSGs and Generators. ETD is therefore ideally placed to deliver these requirements for the benefit of owners, operators and shareholders.

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 RBMS (Risk Based Maintenance Strategies) will be subject to objective and methodical review, which allows resources to be allocated to the highest risk areas first.

For more information on Reliability Centered Maintenance (RCM)
Visit: www.etd-consulting.com/reliability-centered-maintenance-rcm

European Technology Development Ltd
Fountain House, Cleeve Road, Leatherhead, Surrey, KT22 7LX, United Kingdom

Tel: +44 1372 363111 Fax: +44 1372 363222

www.etd-consulting.com enquiries@etd-consulting.com

