



## **Reliability Centred Maintenance (RCM)**

### **Description:**

Reliability Centred Maintenance (RCM) is the structured process used to determine the optimised preventive maintenance for a system. The RCM process identifies all necessary tasks to reduce the risk of any costly or unfavourable failures occurring.

This module outlines the planning of RCM and uses an example Failure Mode & Effects Analysis (FMEA) to explore and demonstrate the steps of the RCM Process. Through a short practical exercise the RCM decisions are recorded and the formal outputs discussed.

### **Aim:**

To provide an overview of the RCM process steps and its key outputs.

### **Duration:**

2 hours.

### **Pre-Requisites:**

An appreciation of Failure Modes and Effects Analysis would be advantageous.

### **Designed For:**

Management and project staff with no previous knowledge of the RCM process.

### **Module Content:**

The module covers the following topics:

- What is RCM and the benefits achievable
- Planning for RCM and the RCM team
- The FMEA and the RCM Process
- The seven RCM questions and the asset or system under review
- The recording of RCM decisions and an auditable output from the RCM process