Streamlined RCM (Reliability Centered Maintenance)

**Goal:** Traditional RCM (Reliability Centered Maintenance) is quite tedious to perform as described in the text books. We will teach you the essential parts of 'Streamlined RCM', which gives the results you need to make maintenance decisions. RCM method was originally invented in the aerospace industry. Since then it has been adapted to more traditional industries, such as power and process plants. RCM offers a systematic way to find the most important equipment from the maintenance (repair/ preventive) point of view. In addition, it helps to select the appropriate maintenance type for failures.

1. **Overview: Elements of the RCM Analysis**
   - Basic terms, calculation of Reliability, Maintainability and Availability
   - RCM Steps

2. **System and Configuration Description**
   - System/ Configuration description and documenting for target system.
   - Scope of the target system

3. **Failure Modes Analysis for RCM**
   - Connecting System description and failure modes analysis.
   - Failure data collection, how to
   - Maintenance data collection, how to

4. **Failure Criticality**
   - Criticality classification scheme selection

5. **Maintenance Analysis**
   - Maintenance sequences
   - Where and how to get M-data
   - Preventive and Corrective maintenance

6. **Unavailability: combining Failure data and Maintenance data**
   - Unavailability calculations. Unavailability using failure criticality

7. **M-system improvement**
   - Improving system performance by corrective maintenance
   - Selecting more effective preventive maintenance tasks

8. **Summary**
   - Discussion and advice how to start an RCM program for an actual case.