Reliability-centred maintenance (RCM) methodology has been widely used by maintenance personnel from various industries such as aviation, oil and gas, mining, and power and utilities. The RCM module in Synergi Plant is one of the asset integrity management solutions offered by DNV GL.

**Access data from anywhere**
The web-based tool gives you the flexibility to access the data from anywhere in order to analyse the reliability of your assets. Many major petrochemical companies and refineries benefit from using Synergi Plant’s RCM module.

**Logical tree analysis**
Our solution enables you to identify ‘potential hidden failures’ through the logical tree analysis and recommends appropriate tasks for a given equipment class or type, based on failure modes and failure causes stored in the maintenance library. Predict and prevent failures, all within the framework of an outstanding user experience and delivered in the technical environment that best suits your company, whether on premise or hosted.

**Configurable dashboard**
A configurable dashboard gives an overview of KPIs at corporate, site or plant levels and adds value in focusing on the right level of details required by your maintenance or reliability engineer, operation manager or reliability manager. Focusing on the right level of maintenance and on better maintenance plans will give your business a greater return on investment.
What can you achieve with Synergi Plant - RCM?

- **Assess** the risks at different levels with a two-step approach: coarse screening followed by detailed analysis using FMEA or FMECA methodology
- **Build** the asset hierarchy as per the guidelines stated in ISO 14224 using DNV GL’s RCM methodology
- **Configure** your risk matrix to align with the existing corporate or company risk matrix
- **Develop** the optimized maintenance tasks for the assets based on criticality and consequences
- **Enable** optimization of preventive maintenance (PM) recommendation that allows building the knowledge-based rules for a PM program or concept at site level with defined PM tasks for failure causes
- **Follow** guidelines from SAE JA1011 & 1012 standards to answer the ‘7 questions’ of the RCM process, which are built into the software
- **Interface** with the CMMS such as SAP to track status of maintenance tasks
- **Support** the ongoing maintenance program through work order monitoring and updating failure data sets through customized integration with CMMS systems such as Maximo or SAP

Selected features

- **Multi-user environment** and web-based application that can be accessed from anywhere
- **Enhanced security module** with multi-level security features – has flexibility to associate user roles and groups for enhanced admin privileges
- **Data transparency** is achieved using dynamic dashboards with widgets that allow you to produce reports, queries, charts and diagrams as per your requirements
- **User-friendly** and easy to navigate the logic decision tree for task selection by new RCM users
- **Customization** of the SQL query for generating reports
- **In-built workflow** that allows RCM task approval