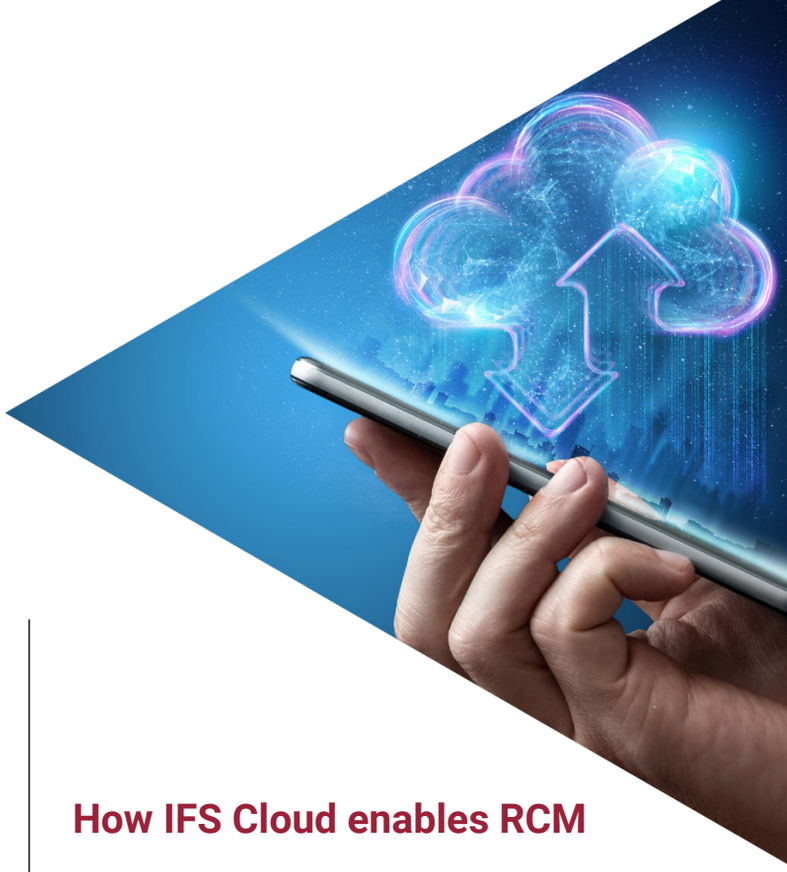
Reliability centred maintenance in IFS Cloud

A practical guide for asset intensive operations



What reliability centred maintenance is

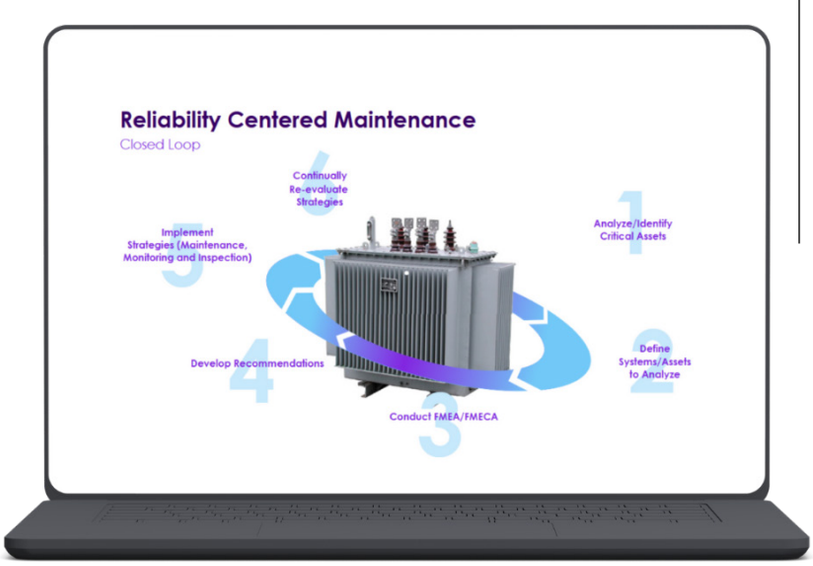
Reliability centred maintenance (RCM) is a structured method used to ensure that each asset continues to deliver its intended function. It begins by establishing how equipment is meant to perform, then examines potential failure modes, their causes and the impact they may have. By analysing these factors, organisations can select the most effective maintenance activities to reduce risk and support safe, reliable operations.

Through this approach, maintenance effort is aligned with actual operational risk, helping to improve uptime, strengthen safety and control long term costs.

The closed loop RCM process

IFS Cloud supports RCM as a continuous, closed loop cycle. The process starts by identifying critical assets and defining the systems that need review. FMECA is then carried out to understand functions, failures and underlying causes. The resulting recommendations guide the selection of maintenance, monitoring and inspection strategies. Once in place, these strategies are implemented and monitored, and the findings are used to refine future plans.

This ongoing cycle ensures that maintenance strategies stay relevant as conditions, equipment behaviour and business requirements evolve.



How IFS Cloud enables RCM

FMECA for informed, risk based decisions

IFS Cloud provides comprehensive support for FMECA, allowing teams to identify failure modes, assess severity and probability, and understand operational consequences. This information forms the blueprint for building targeted preventive and predictive maintenance programmes.

FMECA is also tightly integrated with maintenance change requests. Teams can initiate change requests directly from FMECA records and immediately see which PM actions, work task templates or objects will be affected before updates are made. Each change follows a controlled approval process, and all updates are tracked through a clear audit trail, ensuring that maintenance decisions are structured, evidence based and transparent.

Visual tools for clarity and decision support

IFS Cloud provides a range of visual tools that make complex analysis easier to understand. The FMECA tree visualisation presents functions, failures and decisions in a structured flow, helping engineers see the relationships between different elements. Dashboards highlight the most frequently occurring failure modes and show the status of ongoing FMECAs. Indicators such as FMECA needing attention and object level health metrics, including anomaly counts and mean time between failures, help maintenance teams prioritise their work and focus on areas of greatest impact.

Preventive, predictive and condition based maintenance

Maintenance strategies designed through RCM translate directly into practical scheduling within IFS Cloud. The platform supports time based, usage based and condition based maintenance, all of which can be enhanced by predictive insights from IFS.ai. This combination enables earlier detection of performance issues and reduces the likelihood of unplanned downtime.

Integrated work execution

Execution is streamlined through IFS Cloud, with work orders, materials, labour, safety controls and documentation stored in one place. Technicians have mobile access to instructions, reporting tools and safety information, ensuring that the maintenance strategy defined during RCM is applied consistently across the organisation.

Continuous improvement

All maintenance activity generates valuable data. IFS Cloud uses this feedback to help organisations review task effectiveness and adjust strategies as assets age or operating conditions change. This supports a culture of ongoing improvement and ensures that reliability remains aligned with operational goals.

AI enhanced RCM with IFS.ai

IFS Cloud strengthens RCM through AI driven assistance within FMECA. The system analyses equipment history, fault reports, work tasks and PM data to recommend likely failure modes and causes. It can also suggest severity, probability and detectability ratings, and propose suitable PM triggers and maintenance intervals that reflect actual asset behaviour. These insights reduce the time needed to build or update FMECAs while improving accuracy.

Why RCM in IFS Cloud matters

Organisations that apply RCM within IFS Cloud experience more reliable assets, fewer unexpected failures and improved long term maintenance efficiency. They also gain better visibility of asset health, stronger compliance and safer working environments.

How Platned supports you

As an IFS gold services partner, Platned helps organisations embed RCM within IFS Cloud by configuring FMECA structures, developing preventive and predictive maintenance strategies, integrating operational and condition data, and providing hands on training for maintenance and reliability teams. Ongoing support ensures that maintenance programmes continue to evolve and deliver stronger performance over time.

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