

Build smarter quality processes using FMEA in IFS Cloud

Driving higher quality, stronger reliability and better operational control

Failure Mode and Effects Analysis (FMEA) is a key component of the Quality Management capabilities in **IFS Cloud™**. It enables manufacturers and service organizations to identify potential failure points, understand the impact on operations and customers and put proactive measures in place to reduce risk. With both design and process FMEA built directly into the platform, teams gain a unified, structured approach to quality and continuous improvement.

Why FMEA is essential

FMEA helps organizations:

- improve product and process quality by addressing issues before they occur
- avoid costly defects and disruptions in production
- meet regulatory and customer compliance expectations
- support ongoing improvement across engineering and operations

This creates a culture where quality is embedded into every stage of the lifecycle.

What IFS Cloud delivers for FMEA

IFS Cloud supports Design FMEA (DFMEA) and Process FMEA (PFMEA), allowing teams to evaluate:

- functional requirements
- potential failure modes
- root causes
- impact on quality, safety, performance and compliance
- current prevention or detection controls
- recommended corrective or preventive actions

The system also provides structured criteria for:

- classification
- occurrence
- severity
- detection

Risk scoring follows the standard Risk Priority Number (RPN) formula: $RPN = \text{occurrence} \times \text{severity} \times \text{detection}$

FMEA and FMECA in IFS Cloud

IFS Cloud includes FMEA as part of its integrated Quality Management suite.

For asset-centric organizations, FMECA (Failure Modes, Effects and Criticality Analysis) is also available starting with IFS Cloud 24R2, supporting reliability engineering and risk-based maintenance planning.

This combination gives companies both product-focused and asset-focused analysis in a single digital environment.

A complete quality ecosystem

FMEA works alongside the full Quality Management framework in IFS Cloud, which includes:

- control plans
- audits
- statistical process control (SPC)
- nonconformance management
- acceptance sampling
- corrective and preventive management (CAPA)
- material review board
- integrated document control

Together, these capabilities support a closed-loop quality and reliability workflow, ensuring that insights from FMEA lead to targeted improvements in processes, products and controls.

Reporting and visibility

IFS Cloud provides system-generated FMEA reports that document:

- risk rankings
- action recommendations
- control measures
- ownership and accountability

This strengthens traceability, audit readiness and quality governance across the enterprise.

Why partner with Platned

Platned is an IFS Gold Services Partner, recognized for delivering high-quality implementations and optimization projects across the full IFS Cloud suite. Our experts help organizations deploy and enhance FMEA and FMECA to improve product quality, reduce risk and build stronger operational resilience.

Whether you are starting your FMEA journey or looking to refine a mature quality program, Platned provides the guidance, configuration expertise and industry experience needed to get the most from IFS Cloud.