



# What's new in Teamcenter Quality v5.1

## Closing the loop on quality management in Teamcenter

### Benefits

- Provide guided FMEA for analyzing and reducing the risk of a product or production process
- Control critical product or process characteristics with planned inspections
- Ensure on-time completion of quality actions
- Enhance reputation with sophisticated problem-solving analysis and reports

### Features

- Quality Project Management enhanced with better visual representation and central view
- Newly introduced FMEA
- Newly introduced control and inspection planning
- Improved image handling, root-cause analysis and reports in Quality Issue Management, Problem Solving and Control and Inspection Planning

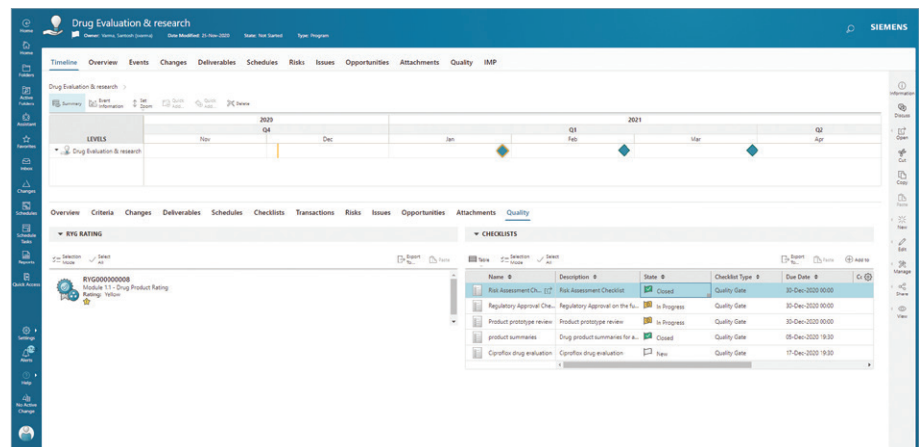
### Summary

The 5.1 release of Teamcenter® Quality software includes two new modules, Failure Mode and Effects Analysis (FMEA) and Control and Inspection Planning, as well as enhancements to Quality Project Management, Problem

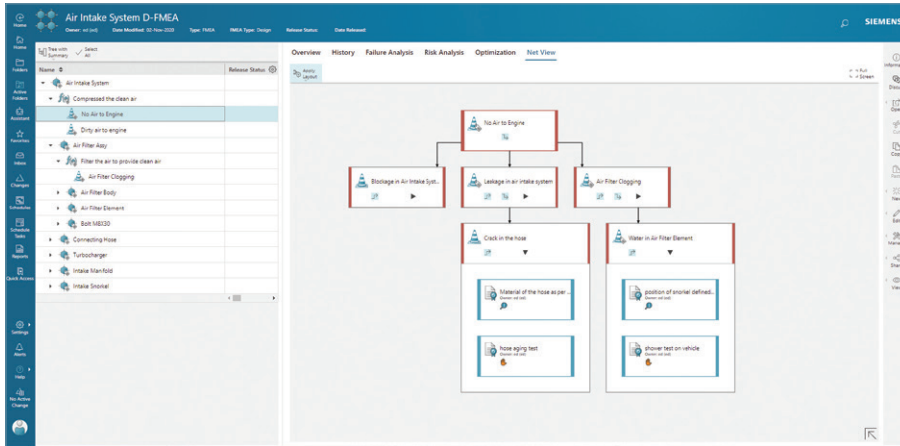
Solving, Quality Issue Management and Quality Action Management. The combination of available modules allows you to close the loop on the quality processes in Teamcenter, which is part of the Xcelerator™ portfolio, the comprehensive and integrated portfolio of software and services from Siemens Digital Industries Software.

### Manage the quality of your projects

In the Teamcenter Quality 5.1 release, the Quality Project Management capabilities contain an improved view of the issues with visual indicators and an enhanced timeline view of the project. The project manager quickly gains better visibility into all milestones.



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## Features continued

- Track lifecycle of a defect from symptom description to problem description
- Escalation management for quality action due dates throughout Teamcenter Quality

## Reduce risk with new FMEA capabilities

FMEA is a methodology that allows companies to assess risks associated with possible product failure. The damage caused by potential defects can often be linked to increased warranty costs, impaired product functionality and safety and an inability to meet required industry standards, among other potential consequences. The new Teamcenter Quality Failure Mode and Effects Analysis module helps you support preventive defect avoidance by allowing you to evaluate effects caused by potential problems/concerns early in the planning phase. By using this solution, you can create an intuitive FMEA analysis and take appropriate actions to

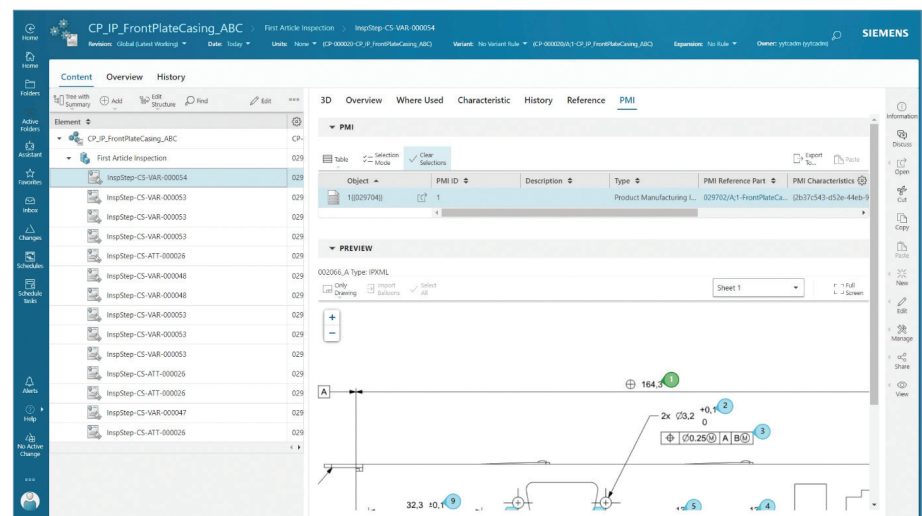
efficiently manage potential defects in real time.

## Realize product quality

With the introduction of Teamcenter Quality Control and Inspection Planning, you can increase product quality and improve customer relations and satisfaction while decreasing development time. The integrated solution offers process- and design-oriented inspection planning combined with control plan management to prevent rework and reduce costs.

With the included BCT technology inspector functionality, it is possible to support the automatic ballooning of characteristic-relevant information, such as target values, tolerances, items and numbering authored in computer-aided design (CAD) by the engineering department for product and manufacturing information (PMI). Then this information can be enhanced for the quality and manufacturing engineers so they can access all required information for production and quality inspection.

You can allocate drawings to the control plan, inspection plan and to individual characteristics. This allows you to automate the time-consuming, manual creation of an inspection plan and significantly reduce or eliminate transfer errors such as measurements and sequences.



### Start resolving problems early

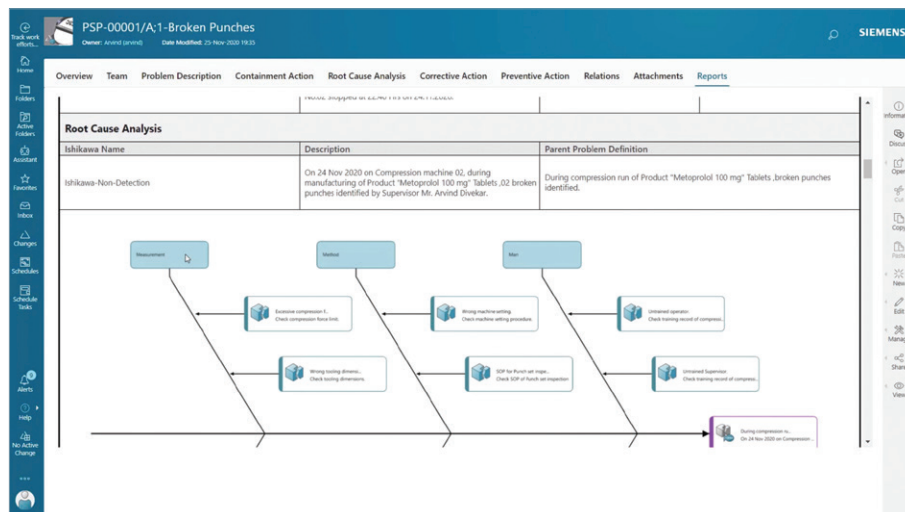
Whether a problem is a defect first needs to be evaluated. The Problem Solving user is now able to collect all symptoms within the Quality Issue Management module and can hand over each symptom when a deeper analysis is required.

### Providing greater visibility

New in the 5.1 release is image attachments are included in the problem-solving report. The report flexibly adopts the layout to print images that are attached to a defect or a root cause in the best way. Additionally, the root cause can be captured as pictures in the report, providing greater visibility into the analysis and improved customer satisfaction with professional reports.

In 5.1, Problem Solving comes with multi-dimensional root-cause analysis with the capability to connect analysis methods like Ishikawa and 5Why to find root causes in different dimensions; for example, occurrence and non-detection or any other custom dimension.

Many more improvements for usability and method support are introduced in this release, making life easier for the user and facilitating more rapid resolution of problems.



### Reminder and escalation mechanism

The main feature in Quality Action Management is the reminder and escalation mechanism, which is used to monitor the due date of a quality action. Based on specific configurations, for example, with Quality Manager, reminders will be sent to an owner of the quality action. In case the due date is approaching, a configurable escalation workflow can be triggered that calls key personnel's attention to the due action based on configurable workflows shaped to your company's business processes.

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