

Ensure Product Data Quality throughout the PLM process



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PDQ AT THE CENTRE OF PLM

Product Data Quality (PDQ) is at the centre of the PLM process. But only if implemented at significant process steps a PDQ strategy will fulfill its goal. When used from the beginning of the product development process and when applied automatically in critical phases, a strategy can ensure that all data meet a Company's standards.

Q-Checker, Q-PLM and Q-Monitor have been designed to enhance this process so that all backbone systems; either a PDM system or a data exchange server, can enhance its level of quality amongst all data that is being transferred and prevent any errors from occurring when it matters.

The Q-PLM technology is based on a tremendous experience of integrating Q-Checker with an extensive list of PDM systems including Dassault Systemes' ENOVIA VPM; ENOVIA SmarTeam; ENOVIA MatrixOne, etc., and data exchange servers such as DXM, DDX and SWAN. Configured with one XML file, it is easily maintained by an administrator without scripting or programming knowledge.

Solutions for PDM

Q-PLM PDM

- Software toolbox to facilitate the integration of Q-Checker with PDM systems via an add-on that enables to launch different Q-Checker / CATIA combinations. Q-PLM reads and analyzes the check results to be used for different actions in a PDM system

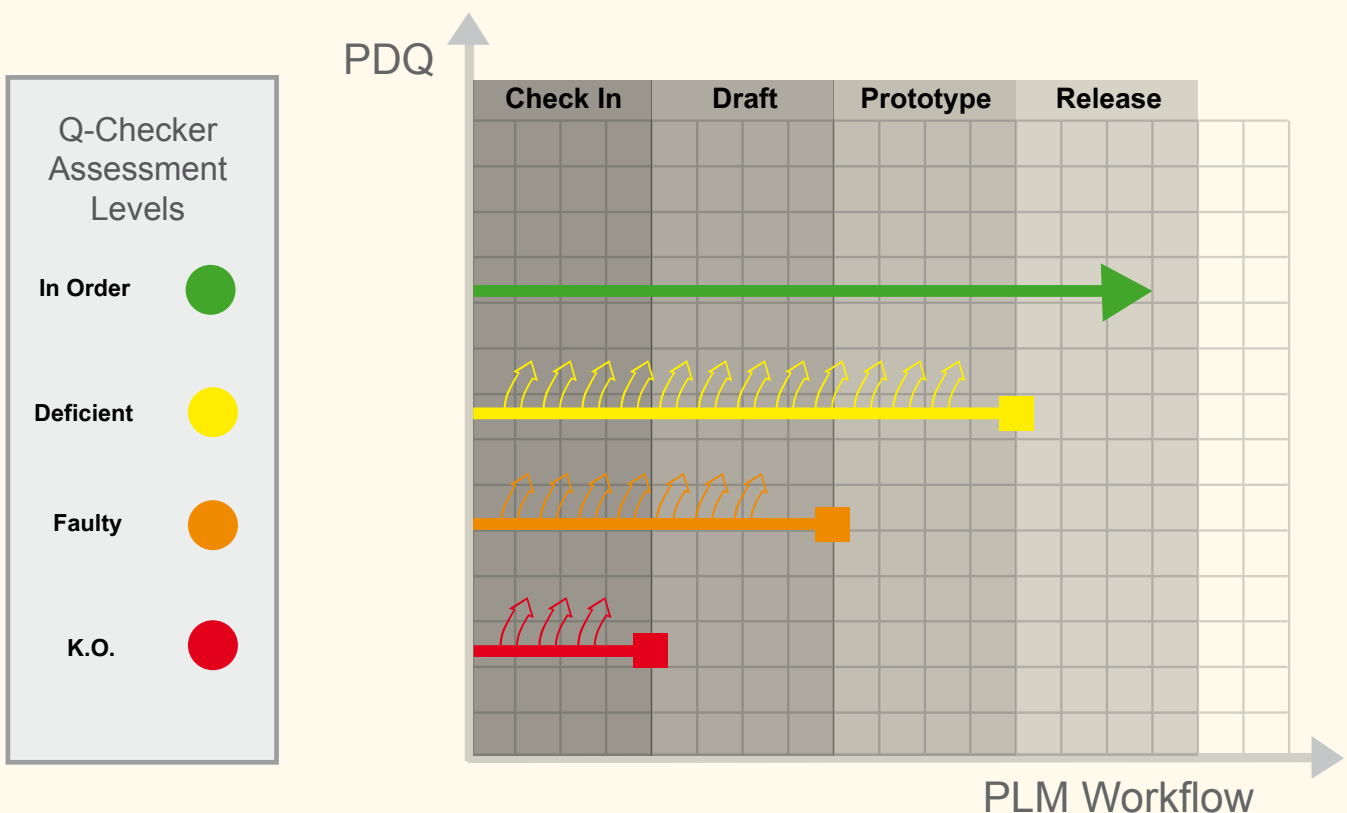
Q-PLM SmarTeam

- Complete out-of-the-box solution to integrate Q-Checker with ENOVIA SmarTeam
- Includes both Q-Checker and SmarTeam plug-ins for a seamless bi-directional integration

Solution for Data Exchange Servers

Q-PLM DX

- Complete out-of-the-box solution to integrate Q-Checker with data exchange servers



Q-PLM ensures that only compliant models can pass Product Data Quality gates

PDQ AUTOMATED IN THE PLM PROCESS

Q-PLM for PDM – Product features

Activation points

- Interactively: Q-Checker execution by toolbar button in the PDM User Interface
- Lifecycle stage:
 - Check-In: Q-Checker execution before Check-in
 - Promote / Release: Q-Checker execution before Release or Freeze
 - Workflow: Q-Checker execution upon a workflow task

Assessment scores may be required for better control

- Assessment scores measure the level of quality of a model with a sum calculated by all errors found
- Strict access restrictions can be set so that only clean data is permitted in a PDM system.
- Assessment accuracy can be set regarding to the lifecycle stage
- Message notification is automatically sent to the user/administrator

Different profiles can be run

- A profile is a set of checks used to detect errors within a model
- A profile can be set specifically for PDM's quality standards
- Different importance levels can be configured
- Different profiles can be controlled by PDM attributes

Results are communicated clearly inside the PDM system

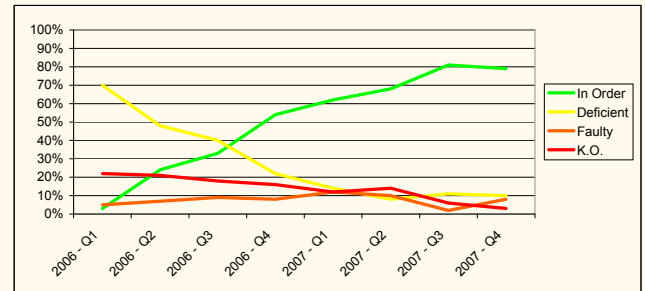
- With PDM attributes modified by Q-PLM
- With profile tabs automatically populated
- With HTML reports attached to the data inside the product tree



Related functionality from Q-Checker and Q-Monitor

The Q-Checker check seal for enhanced performance

- A check seal is a summary of a past checked model which can be internal or external
- Avoid a recheck if a valid check seal is compliant to save time
- A check seal includes a model check sum info, check profile used, checking date, etc.
- If check seal is invalid, options are to give a warning, recheck the model, or reject it



Continuous Product Data Quality improvement measured with Q-Monitor

Q-Monitor to establish a continuous improvement process

- Measure data quality in significant process points
- Statistics about most frequent errors and quality improvement
- Evaluation of departments, partners and processes
- Targeted training

Q-PLM

- Integrations to PDMs and data exchange
- Low implementation effort
- Standard products, such as Q-PLM SmarTeam
- Compatible with coming versions of CATIA and Q-Checker



TRANSCAT SOFTWARE

More time for engineering

Founded in 1987, Transcat PLM GmbH is a fully-owned subsidiary of Dassault Systèmes. From the very beginning, Transcat PLM has been a solution provider specializing in Dassault Systèmes portfolio and developing add-on software to enhance the productivity of their customers. Transcat PLM's software solutions support the design process with CATIA, DELMIA and ENOVIA. Companies around the World optimise their processes and enhance their products with products from Transcat PLM. Q-Checker, CAVA, myV5, VDAFS Processor and XFileV5 are helping users in the context of a global development process.

www.transcat-plm.com

Q-PLM Highlights

- Integrations done with all ENOVIA solutions and comparable products
- Configured in one XML file
- Update attribute information in PLM and attach report
- Standard software components maintained by Transcat
- Project realization within days
- Q-PLM and Q-Monitor make Q-Checker the „Management System for PDQ“

Q-Checker

- 1,500 customers in all industries
- Geometric model quality, CAD-Standards and Methodology
- Delivery deadlines are met by avoiding late repairs
- Enhanced cooperation between design partners in a world-wide distributed development process
- Driven by 15 years of experience with PDQ

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