



Siemens PLM Software

What's new in Teamcenter 11.2

Benefits

- Simplified administration of multiple sites
- Streamlined global change management
- More powerful project planning, management and execution
- Improved workflow management
- Lower supplier administration costs
- Improved model management for greater re-use
- Easier management and maintenance of Teamcenter deployments
- Simple move from preconfigured PDM to full PLM

Summary

The Teamcenter® software product lifecycle management (PLM) solution suite from Siemens PLM Software simplifies PLM by taking the guesswork out of the deployment process. We deliver a flexible portfolio of focused applications organized to allow you to strategically grow your PLM maturity in alignment with your needs and vision.

Teamcenter 11.2 offer new tools and capabilities across the portfolio.

Start with PLM

Teamcenter 11.2 introduces improvements for working with 4th Generation Design (4GD) data. Improved baseline capabilities of 4GD items now automatically baseline all underlying source data. Welds and 3D mechanical routed systems can now be managed in 4GD. Users can navigate design elements created with NX™ software to associated welds and run impact analyses. With Teamcenter 11.2, every element of a mechanical routed system is managed as a single item.

You can get work done more efficiently with Teamcenter 11.2 and the improvements it brings for PLM process execution. The new release enables companies to manage change processes across multi-site

Teamcenter installations, with automated distribution of changes to remote users and return of changed items to the home site. You can improve product development process execution with new workflow capabilities in Teamcenter 11.2. For simpler workflow execution, you can now filter workflow templates based on submitted items, their properties and relationships, and automatically assign tasks to participants based on properties of the item. The new release also enables you to specify required and optional workflow signoffs.

Schedule Manager in Teamcenter 11.2 helps you plan, manage and execute your projects more effectively. With dramatic improvements in performance and scalability, Schedule Manager can now manage larger, more complex projects with thousands of tasks, constraints, and dependencies across a global organization. Improvements in resource assignment help you to quickly identify the right people for the task - you can view resource availability by group or role in addition to single users. New extension and configuration points make it easier to connect to third-party applications and customize Schedule Manager functionality.

What's new in Teamcenter 11.2

Extend the value

Teamcenter 11.2 delivers new capabilities that facilitate collaboration with your global supply chain. New self-service tools enable suppliers to get the data they need including background data and reference documents when they need it without assistance from original equipment manufacturers (OEMs). Suppliers can now create requests for new items and reserve OEM part numbers in Teamcenter, and manage their own event contents and updates, reducing your administration costs. With improved event monitoring, you can make better decisions around your supply chain processes.

Transform your business

Teamcenter 11.2 enables better integration with a model-based, systems-driven product development process with important enhancements for managing Simulink® models. You can now Open and Save models to the Teamcenter product structure, preserving the local file-based organization of the models and related data. When saving model information you can also save and associate any additional files that you use in company processes, such as sub-blocks or parameters.

You can also save library data associated with a model, using wizards to guide you in saving the data to Teamcenter. Each subsystem is saved as a separate and unique object, and Teamcenter generates a viewable library for each object. When editing models, all associated subsystems are also revised and associated to the new revision.

Teamcenter 11.2 also supports an application programming interface (API) that enables companies to access and export Simulink models and related data. With the API you can export the data, including the stored model and file structure hierarchy, to a specific location for other tools or processes to use.

All of the enhancements for managing Simulink models facilitate restoring and recalling the information for re-use in future projects.

Explore the PLM platform

Teamcenter 11.2 introduces a new set of powerful administration data tools that make it easier than ever to manage and maintain your Teamcenter deployments. A new administration data documentation report tool enables you to review configurations of your Teamcenter deployments and troubleshoot configuration issues. With the new administration data comparison reporting tool, you can troubleshoot configuration differences between multiple Teamcenter deployments to determine why the business logic is behaving differently, or verify whether a new Teamcenter environment is configured in the same manner as a reference environment. With the administration data import tool you can quickly use data from one Teamcenter deployment to make sure that another deployment is configured correctly. The new access manager testing tool enables you to automate the testing of all access manager rules and organization of groups, roles and users in your Teamcenter environment to ensure that they are protecting your data the way that you expect them to.

A redesigned intelligent part numbering capability (now common to both Teamcenter Rapid Start and Teamcenter) helps you automate and standardize part number generation according to your company preferences. You can define your requirements for intelligent part numbering and specify valid values to automate and enforce standards. When a new product or part is created, users are prompted with a pre-configured dialog window that enables them to choose from valid values. Once their selections have been made, the intelligent part number is automatically generated.

Teamcenter Rapid Start 11.2 introduces new capabilities to fully leverage the Teamcenter platform flexibility and streamline the expansion of Rapid Start installations to standard Teamcenter. A common installation kit for Teamcenter and Teamcenter Rapid Start enables Rapid Start customers to easily extend their preconfigured product data management (PDM) capabilities to the full PLM capabilities and add-on modules of Teamcenter.

Teamcenter Rapid Start customers can also add on the Active Workspace client to extend their PDM implementation to reach new users or support browser-based access. Active Workspace provides a simple web interface tailored to the specific needs of PDM users beyond design engineering.

Teamcenter 11.2 Solution Summary

- Improved management of Simulink models
- New design management tools for 4GD data
- Global multi-site change management
- More powerful and scalable Schedule Manager
- Extended workflow capabilities
- Supplier self-service tools to extend PLM data and processes
- Administration data tools to manage and maintain Teamcenter deployments
- New intelligent part numbering capability
- Streamlined transition to PLM from preconfigured PDM

Teamcenter solution	New features and enhancements	Customer value
Start		
<p>Design management Teamcenter enables you to manage and share cross-domain design information, including mechanical, electronics, software and simulation in a single environment</p>	<p>4th Generation Design (4GD)</p> <ul style="list-style-type: none"> • More user-friendly baseline with automatic baseline of underlying items • Support 4GD welds from NX • Manage 3D mechanical routing elements as individual items • Support for configuration of 4GD data by release date 	<p>Effectively collaborate and manage complex product structures</p>
<p>PLM Process execution Teamcenter can help you manage and execute the many processes required to get the right products to market at the right time. You can effectively coordinate people and the information they need to make the right decisions and get their jobs done.</p>	<p>Global change management</p> <ul style="list-style-type: none"> • Manage and execute change across multiple Teamcenter sites • Consistent look and feel for local and remote change tasks <p>Schedule Manager</p> <ul style="list-style-type: none"> • Improved schedule performance and scalability • Optimize resource assignments • New extension and configuration points <p>Workflow</p> <ul style="list-style-type: none"> • Filter workflow templates • Automatically assign tasks to participants based on target item • Specify required and optional workflow sign-offs 	<p>Simplified change management across multiple sites</p> <p>Manage larger, more complex projects</p> <p>Easily match resources to tasks</p> <p>Simplify management and execution of workflows</p>
Extend		
<p>Supplier integration Teamcenter offers supplier integration solutions that allow you to more effectively engage suppliers, engineering and procurement in the sourcing and supplier management process.</p>	<p>Supplier self service Suppliers can obtain data as needed without assistance from OEM</p> <ul style="list-style-type: none"> • Suppliers manage their event contents and updates <p>Create new item</p> <ul style="list-style-type: none"> • Suppliers are able to create requests for new items in Teamcenter • Enforcement of OEM standards and naming conventions throughout the supply chain <p>Event monitoring</p> <ul style="list-style-type: none"> • Use of supplier collaboration information for decision making • Improved accessibility of information stored in the Supplier Collaboration Foundation <p>CATIA v5 plugin for Briefcase Browser</p> <ul style="list-style-type: none"> • More efficient design data exchange with suppliers using a CATIA v5 plugin and briefcase browser 	<p>Reduced administration costs for OEM</p> <p>More efficient CAD design exchange process with non-Teamcenter suppliers</p> <p>Make smart decisions with visibility into supplier exchange processes</p>

Teamcenter solution	New features and enhancements	Customer value
Transform		
Systems engineering With Teamcenter capabilities for systems engineering, you can construct a systems-level behavioral, functional and logical definition to help ensure products perform as intended.	Model-based systems driven design <ul style="list-style-type: none"> • Open and save models to product structure • Associate files and folder contents • Save library data associated to a model • API to export models and related data 	Improve re-use by saving and restoring model structure and detail
Platform		
Deployability	New administration data tools <ul style="list-style-type: none"> • Administration data documentation report tool • Administration data comparison report tool • Administrative data import • Access manager testing tool 	Streamlined management and maintenance of deployments <ul style="list-style-type: none"> • Easily review and troubleshoot configurations • Quickly compare and move deployment configurations • Automate testing of access manager rules to ensure proper protection of your valuable data
Teamcenter Rapid Start <ul style="list-style-type: none"> • Deploy PDM quickly, with a growth path to PLM 	Extend to Teamcenter <ul style="list-style-type: none"> • Single install kit • “Move to Teamcenter” option • Easily extend from PDM to PLM by adding on more Teamcenter modules Intelligent part numbering <ul style="list-style-type: none"> • BMIDE-based, newly architected Intelligent Part Numbering • Preconfigured dialogs with fields containing valid values Extended platform support <ul style="list-style-type: none"> • Extended platform support (including cloud) to non-UNIX platform • Support for Active Workspace 	Streamlined expansion to Teamcenter Automate and standardize part number generation Extend PDM to more users

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