



SIEMENS

Ingenuity for life

Teamcenter X

Access PLM from home, the office or anywhere else at any time with cloud SaaS delivery

Benefits

- Deliver cloud SaaS PLM for instant access when working at home, the office or anywhere else at anytime
- Control, share and collaborate across multiple mechanical and electronic design tools, creating a multi-domain BOM
- Accelerate product development by supporting design re-use, managing change and speeding cycle time
- Invest in predictable, operational expense use of existing IT infrastructure versus capital expense for low cost-of-ownership
- Eliminate the complexity, time, cost and risk of PLM installation, maintenance and upgrades
- Provide a future-ready, modern cloud PLM solution that eliminates technical barriers and helps you work smarter with the latest technology and cloud microservices

Summary

Your company is continually challenged to reduce development costs, improve productivity and increase quality. At the same time, you must adapt to changing markets, often moving from centralized product development to distributed design with global partners.

Your product designers across mechanical and electronic domains require complete confidence in their ability to find the latest information and work on correct versions. But product information isn't only for design teams. Everyone across your business needs access to up-to-date, reliable product information – whether they're in the office, at home or anywhere else with internet access.

To help you manage and collaborate with product information and processes, Siemens Digital Industries Software offers Teamcenter® software, the world's most widely used product lifecycle management (PLM) portfolio. Teamcenter X is a cloud software-as-a-service (SaaS) delivery option for instant-on Teamcenter adoption. Created with product innovators in mind, Teamcenter X builds on Siemens' experience in PLM to help companies get up and running quickly so they can grow. Teamcenter X is easy to deliver and easy to use for people across your business so they can participate in product lifecycle processes.

Teamcenter X provides instant-on access to preconfigured PLM capabilities with an easy user experience based on common industry best practices. Teamcenter X helps you manage and share product information, accelerate your product-related processes and successfully manage your most precious asset – product knowledge.

Teamcenter X allows users who work from home, the office or anywhere else to connect to the internet to securely access product information and easily collaborate on processes across the business. With Teamcenter X, you can immediately realize the benefits of PLM.

Modern, scalable cloud SaaS delivery

Teamcenter X delivers modern cloud technology and a wide range of scalable cloud solutions with years of industry expertise built in. Teamcenter X helps companies of all sizes quickly realize value without the information technology (IT) resources traditionally associated with PLM deployments. Companies now have the convenience of choosing from preconfigured engineering and business solutions that deliver immediate results with the option to add more capabilities as their business needs grow.

By choosing preconfigured cloud SaaS delivery, you can reduce the costs of consulting and maintenance. All of the operations and maintenance for Teamcenter X, including upgrades to keep you running with all the latest product enhancements, are managed by Siemens. The flexible SaaS financial model (operational expense versus capital expense) includes setup, administration, operations management services and upgrades to get

Teamcenter X

you up and running quickly and cost-effectively for a fast return on your investment.

The Siemens-managed SaaS environment is built on enterprise-grade cloud infrastructure from a public cloud provider, which includes security, compliance and support for global organizations. The cloud infrastructure is housed in data centers and designed to satisfy the requirements of the most security-sensitive customers. The cloud infrastructure puts strong safeguards in place for customer privacy and data loss risks.

MCAD and ECAD data management

Teamcenter X improves engineering productivity and efficiency to accelerate product development by bringing together mechanical and electronic designs in one PLM system.

Teamcenter X provides mechanical computer-aided design (MCAD) data management for your design teams to create, manage and re-use native design data from MCAD systems, including NX software, Solid Edge, Creo, and SolidWorks, in a single secure environment. NX, Solid Edge, Creo, and SolidWorks users can work together across MCAD tools with multi-CAD collaboration.

Electronic computer-aided design (ECAD) teams can increase productivity by integrating disconnected design flows, managing all of your design, fabrication and assembly data, enabling you to share data across multiple domains. ECAD integration with printed circuit board (PCB) design and tools include Xpedition, PADS, Altium Designer, and Cadence Allegro. Electrical wire harness design tool integrations include Capital and VeSys. Teamcenter X enables you to leverage your ECAD part library and make it available for use across multiple ECAD tools to help reduce product cost and facilitate environmental compliance.

- MCAD data management
- ECAD data management
- Multi-CAD collaboration

Bill-of-materials management

Teamcenter X includes bill-of-materials (BOM) management so you have a single source for all the parts, components and assemblies that make up your product. When both mechanical and electronic designs are managed by Teamcenter X, you can create a multi-domain BOM to provide a more comprehensive view of the product to stakeholders across the business.

- BOM management

CAD-neutral visualization

Teamcenter X supports the JT™ data format standard for CAD-neutral visualization so designs can be shared, marked up and interrogated by people across the business.

- CAD-neutral JT visualization

Document management

You can use Teamcenter X to manage all product-related documents, including those created with Microsoft Office and Adobe, along with MCAD and ECAD designs to extend the use of PLM to users outside of the engineering department. Product-related documents include technical publications, process sheets, customer requirements, manufacturing setups, test specifications or any other documents that you may want to manage.

With Microsoft Office integration, you can even interact with product information and workflow processes directly from familiar Office applications.

- Manage Microsoft Office documents
- Manage Adobe PDF files
- Manage other document types (TXT, GIF, MSG, HTML, etc.)
- Microsoft Office integration



Active Workspace

Active Workspace is the primary user interface for Teamcenter X, supporting collaboration across locations for users who work from home, the office, or anywhere else they have internet access to securely access product information and easily collaborate on processes across the business. The easy-to-use, easy-to-access client is ideal for anyone across the business who needs access to product information and processes.

For your design teams, Teamcenter X can be hosted within the MCAD and ECAD design application using the Active Workspace client, so designers can easily access Teamcenter X without opening a new application or window for PLM.

For everyone else, Active Workspace provides a simple web interface that is easy to access and use. Active Workspace is easily adaptable to specific user needs.

Getting started with Teamcenter X

Visit [siemens.com/teamcenterx](https://www.siemens.com/teamcenterx) to find out how you can get started with Teamcenter X today so you can manage and share product information, accelerate your product-related processes and drive product innovation and profitability.

Teamcenter X optional add-on applications

You can add on the following capabilities to Teamcenter X. In addition to these modules, you can grow your deployment to include any Teamcenter PLM capability with help from Siemens SaaS operations.

MCAD/ECAD integrations

Choose from the Teamcenter X integrations with mechanical, electrical, and electronic design tools for the value of PLM inside the design environment.

Classification

The classification add-on helps you organize your product information more effectively so people can get to the right product information faster.

Change management

To help you manage and streamline change processes, Teamcenter X has an optional change management add-on.

Program management

To help you develop complex products through integrated planning and execution in a single system.

Requirements management

To capture, keep up with, and deliver requirements to everyone involved in product development to make smarter decisions.

Schedule manager

Enables you to plan your programs in terms of their schedules, work tasks, dependencies, milestones, baselines and constraints.

Cloud translations

Dispatcher services are available as an add-on to enable data translations such as Word documents to PDFs or CAD files to JT and PDF.

Rich application client

The rich application client (RAC) is available as a Teamcenter X add-on for customers that require configuration capabilities or want to create revision rules, projects or an authorized data access – intellectual property (ADA-IP) classification.

Server-side visualization rendering engine

The server-side visualization add-on is an option to help with rendering requirements of large files to improve performance.

Preconfigured organization with groups and roles

Teamcenter X optimizes the tasks that you perform every day, both as individuals and as a team. Teamcenter X offers preconfigured groups and roles that you can use to simplify common tasks. You can use the preconfigured groups and roles, or you can create custom configurations to meet your business needs. This simplifies user administration, reduces the user learning curve and improves overall usability.

Preconfigured groups include:

- Engineering
- Manufacturing
- Management

Preconfigured roles include:

- Author
- Manager
- Checker

Preconfigured workflows

Based on the experience Siemens Digital Industries Software has gleaned from thousands of software implementations, Teamcenter X comes with a set of preconfigured workflows to help you release your products, including 25 special handlers that are also included in the standard version of Teamcenter.

You can use the preconfigured workflows or create custom workflows to meet your business needs. For situations requiring specific process compliance, you can reconfigure and adapt the Teamcenter X standard workflows or create new ones quickly.

Preconfigured workflows include:

- Development release
- Obsolescence process
- Production release
- Create snapshot
- Unrelease status
- Electrical release and revise

Preconfigured statuses

To help process workflows, Teamcenter X comes with a set of preconfigured statuses. You can use the preconfigured statuses, or you can create custom statuses to meet your business needs. Teamcenter X also supports revision rules and revision status filtering.

Out-of-the-box statuses include:

- Snapshot
- Development
- Production
- Obsolete

Templates

- Electrical item types and attachment types

Email

- Send emails from Teamcenter workflows with information related to data routed in the workflow

Platform

- Database hosted on cloud and managed by Siemens
- Full Teamcenter browser support (any browser that supports HTML5, such as IE, Edge, Chrome or Firefox)

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