SIEMENS DIGITAL INDUSTRIES SOFTWARE

Teamcenter X

Scalable, secure, and instant-on SaaS PLM in the cloud

Benefits

- Deliver SaaS PLM in the cloud for instant access anytime, anywhere - from working at home to the office or shop floor

- Control, share, and collaborate across multiple mechanical and electronic design tools

- Accelerate product development by supporting design re-use, managing change, and speeding cycle time

- Invest in predictable, operational expense with minimal IT infrastructure versus capital expense for low cost-of-ownership

- Eliminate the complexity, time, cost and risk of PLM installation, maintenance, and upgrades

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, growing customer demands, shorter lead times, and working with global partners.

To address these challenges, stakeholders across your business need secure access to up-to-date, reliable information related to your product's lifecycle – whether they're in the office, at home, on the shop floor, or anywhere else in the world.

To help you manage and collaborate with product and manufacturing information and processes, Siemens Digital Industries Software offers Teamcenter® software, the world's most widely used product lifecycle management (PLM) portfolio. Teamcenter® X software is a cloud software-as-a-service (SaaS) delivery option for instant-on Teamcenter adoption. Created with 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.

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Benefits *continued*

- Provide future-ready, modern cloud platform that eliminates technical barriers and helps you work smarter with the latest technology and cloud microservices
- Streamline product development and manufacturing processes with internal and external stakeholders
- Create a multi domain bill of material (BOM) that can be extended to manufacturing

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 information, accelerate your product-related processes, and successfully manage your most precious asset – engineering knowledge.

Teamcenter X allows users who work from home, the office or anywhere else they can connect to the internet to securely access product lifecycle 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 the operations and maintenance for Teamcenter X, including upgrades to keep you running with all the latest software 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 you up and running quickly and cost-effectively for a fast return on your investment.

The Siemens-managed SaaS environment is built on an 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.

Superior PLM user experience
Teamcenter X enables collaboration across locations for users who work from home, the office, or anywhere else.

All it takes is internet access to securely access product information and easily collaborate on processes across the business. The easy-to-use, easy-to-access web 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 so designers can easily access Teamcenter X without opening a new application or window for PLM.

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

Discover PLM essentials that grow with you

Engineering process and data management
Teamcenter X improves engineering productivity and efficiency to accelerate product development by bringing together mechanical and electronic designs in one PLM system. Design teams can keep their designs in sync while sharing information and collaborating on changes. And, by automating your engineering change, validation, and approval processes you can speed cycle time and improve product quality.

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 in a single secure environment. 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 your design, fabrication, and assembly data, enabling you to share data across multiple domains. 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

Business-wide and partner collaboration with 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.

Partners that do not use Teamcenter X can also collaborate on designs. Partners, customers, vendors and suppliers can download the JT2Go viewer free of charge, which allows them to review designs with view, markup, measure, section, etc.

- 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

Manufacturing process and data management
With Teamcenter X, you can start fast to address your manufacturing needs across the digital enterprise. You get support for collaboration with key manufacturing and engineering stakeholders throughout your organization using best practices that have been preconfigured into easy to use solutions. It ensures continuity of manufacturing information and knowledge reuse within and outside your organization to support planning, design, and simulation processes. You can get your products to market faster and reduce risk of errors by connecting design and manufacturing engineers, facility planners, shop floor users, partners and other suppliers.

- Enable information flow across planning, simulation, and design
- Connect to manufacturing authoring applications (Line Designer, Process Simulate, Fixture Planner, Manufacturing Process Planner)
- Collaborate and exchange data with your suppliers and end customers

Teamcenter X is Teamcenter and more.

Since Teamcenter X is the evolution of Teamcenter, you have full access to its unique and valuable capabilities. Here are just a few examples:

MCAD and ECAD integrations

To realize the value of PLM inside your design environment, choose from Teamcenter X integration's with mechanical, electrical, and electronic design tools of choice (Siemens and third-party).

Change management

To help you understand and manage the complete scope of change including all impacted data, people, and processes.

Classification

To help you organize your product information more effectively so people can get to the right product information faster.

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

Plan your programs in terms of their schedules, work tasks, dependencies, milestones, baselines, and constraints.

Get started with preconfigured SaaS PLM in the cloud

Teamcenter X is preconfigured with best-practice workflows to streamline and automate common PLM processes like design release and change – not just for engineers but including decision-makers throughout the product lifecycle.

Preconfigured workflows

Based on the experience Siemens Digital Industries Software has gleaned from thousands of software implementations supporting engineering and manufacturing functional teams, Teamcenter X comes with a set of preconfigured workflows to help you get started quickly and work smarter.

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

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 delivers a configuration management model supporting revision rules and revision status filtering.

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 industry solutions

With Siemens wealth of industry and domain experience, industry-specific solutions have been configured and built on Teamcenter X. These industry solutions will deliver a prescriptive approach to PLM to solve critical challenges for you and your business.

Get Started Now with Teamcenter X

Visit siemens.com/teamcenterx to find out how you can get started with Teamcenter X today, so you can manage and share product lifecycle information, accelerate your product and manufacturing related processes, to drive product innovation and profitability.