Teamcenter feature checklist

A summary of Teamcenter solutions and their capabilities

Benefits

• Drive productivity by leveraging a single source of product and process knowledge drawn from disparate authoring systems.
• Improve global teamwork by enabling global teams to connect, communicate and share information on-demand.
• Leverage Teamcenter’s end-to-end PLM solutions to provide visibility into your entire lifecycle, understand the full impact of change and automate common functional processes across your lifecycle.
• Speed your return-on-investment by using Teamcenter integrations with best-of-breed domain applications to leverage your existing technology investments and user skills and facilitate a lower cost of ownership.

Summary

The Teamcenter® suite is the only product lifecycle management (PLM) system on the market that offers solutions from portfolio planning through product development, manufacturing, service/sustainment and retirement. Teamcenter’s proven end-to-end solutions include best practices and standards-based processes that drive productivity, improve global teamwork and speed your return on investment, thereby enabling you to leverage your product lifecycle as a business investment.
**Teamcenter feature checklist**

**Teamcenter solutions**

**Systems engineering and requirements management**
Teamcenter aligns the strategic intent of your products with the correct set of requirements, so you can ensure the successful delivery of products that meet the needs of your markets, customers and regulatory agencies.

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### Teamcenter solutions

#### Content and document management
Teamcenter’s advanced document and content management capabilities enable you to establish a structured document and content authoring and publishing environment that is fully integrated within your PLM environment.

- ✔ Content management
- ✔ Document management
- ✔ Technical publication
- ✔ Online enterprise publishing
- ✔ Authoring tool interface
- ✔ On-demand viewing
- ✔ Automated review/approval
- ✔ Microsoft Office integration
- ✔ Render management

#### Formula, package and brand management
Teamcenter’s single source of product and process knowledge is easily extended to include complete formula, packaging and artwork, brand information and specification management capabilities that provide a holistic view of your products.

- ✔ Packaging and artwork management
- ✔ Brand knowledge management
- ✔ Formula management
- ✔ Markup management
- ✔ Print management
- ✔ SGML/XML content management
- ✔ Graphic content management
- ✔ Content translation order management
- ✔ Darwin Information Typing Architecture (DITA) support

#### Supplier relationship management
Teamcenter offers a portfolio of configurable supplier relationship management (SRM) solutions that allow you to more effectively engage suppliers, engineering and procurement in the sourcing and supplier management process. Teamcenter’s collaborative environment supports better cost management, as well as more effective product development and manufacturing.

- ✔ Integration of supplier product data
- ✔ Supplier collaboration
- ✔ Supplier integration with purchasing, engineering, quality, manufacturing and other organizations
- ✔ Request for information, proposal or quotation (RFx) management
- ✔ Raw material management
- ✔ Integration to formula authoring tools
- ✔ Global specification management
- ✔ Internet negotiation (reverse and Dutch auction) management
- ✔ Supply chain management and scorecards
- ✔ Spend analysis and management

#### Mechatronics process management
Teamcenter provides a rich environment for the associative development of mechanical, electrical, electronic and embedded software technologies within a single source of product and process knowledge.

- ✔ Multi-domain data management (MCAD, ECAD, and software)
- ✔ Integration with multiple MCAD tools
- ✔ Integration with multiple ECAD tools
- ✔ Integration gateway for EDA
- ✔ Electronics parts library management
- ✔ ECAD vendor management
- ✔ ECAD schematic and PCB layout visual design collaboration
- ✔ ECAD PCB assembly/test analysis
- ✔ Integration with software development tools
- ✔ Embedded software management
- ✔ Calibration and configuration parameter data management
- ✔ Signal management
- ✔ Software/software and software/hardware dependency management
- ✔ Wire harness data management
- ✔ Integration with wire harness design tools
## Teamcenter solutions

### Manufacturing process management
Teamcenter enables engineering and manufacturing teams to collaborate in a digital environment by leveraging a single source of product, process, resource and plant information.

- Plant design data management
- Manufacturing process planning
- Part planning
- Report generation
- Time management
- Product, process, resource and plant data management
- Advanced bill-of-material (BOM) and bill-of-process (BOP) management

### Simulation process management
Teamcenter manages simulation data and processes within your PLM environment, so you can better assess product performance and quality while improving development efficiency.

- Simulation data management
- Simulation change and process management
- Simulation data linking and tracking
- Simulation structure management and automation
- CAE application configuration and launch framework

### Maintenance, repair and overhaul
Teamcenter bridges the gap between the engineering, logistics, maintenance, manufacturing and support communities, to help you drive profitable growth, leaner services operations and improved asset performance.

- Service management
- Asset management
- Service knowledge management
- Service planning

### Reporting and analytics
Teamcenter provides rapid transformation of data from disparate enterprise systems, including PLM, into insightful and actionable analyses for timely decisions.

- Executive, program and process metrics and dashboards
- Standard and ad-hoc reports
- Visual, intuitive and dynamic user interface
- Highly scalable SOA based architecture
- Key performance indicators (KPIs) and other built-in statistical measurements
- Analytics and business intelligence
- Scheduling of reports, including on-demand scheduling and “push” technology

### Community collaboration
Teamcenter’s collaboration environment extends the reach of PLM capabilities to everyone in your extended enterprise, including partners and suppliers, thereby increasing overall productivity.

- PLM information sharing
- Real-time, ad hoc information capture and sharing

## Features and capabilities

- Manufacturing change, configuration and workflow management
- Resource management, classification and optimization
- Work instruction documentation
- Weld data management
- Process Gantt chart
- Batch meshing and solver support
- Remote process launch and load balancing
- Simulation model and results visualization
- Simulation dashboards
- Integration with multiple CAE tools
- Service request management
- Support for industry standards such as PLCS ISO 10303-239, Mil-Std 1388 and GEIA-STD-0007
- Application security enforcement
- Report designing, including charting, graphical representation of data
- Dynamic analysis: Drill-up/down and drill-through capabilities
- Current and point-in-time reporting
- Report delivery: email, PDF, Excel, XML, HTML
- Web browser (zero footprint) client for all users
- Team collaboration workspaces
- Desktop application sharing
- Visual issues management
Teamcenter solutions

**Lifecycle visualization**
Teamcenter extends traditional PDM with visualization throughout the lifecycle. You can visualize your product data in 2D and 3D formats, even when this data is authored by different applications.

**Features and capabilities**
- 2D image visualization and interrogation
- 3D model visualization of CAD-neutral JT format as well as VRML and STL
- Direct read of NX™ software and Solid Edge® software CAD files
- High performance viewing with ultra-fast loading of even extremely large assemblies
- IGES or STEP import (with optional translator)
- ECAD visualization
- 3D JT file embedding in Microsoft Office documents
- Product attribute and/or metadata view from CAD or PDM
- Visual Reporting to color code models based on attribute rules
- Product manufacturing information (PMI) view
- 3D markups including GD&T
- Advanced 3D measurement
- Advanced 3D x-sectioning
- 3D compare
- Create/playback animation and movie capture
- Support for stereo viewing (i.e. CAVE)
- Exploded view illustration creation
- Advanced clearance and interference analysis
- Process-specific add-ons

**Platform extensibility services**
Teamcenter’s platform extensibility services enable you to realize value from your Teamcenter investment quickly and cost-effectively.

- Business modeler integrated development environment (BMIDE)
- Integration gateway for ERP
- Global services for enterprise application integration and site consolidation
- Service-oriented architecture (SOA) services
- Eclipse rich client platform (RCP)

**Enterprise knowledge foundation**
Teamcenter’s single, secure source of product and process knowledge facilitates global collaboration, serving as a platform to rapidly deploy domain and industry solutions.

- Audit management
- Change management
- Data classification
- Information access/navigation/retrieval
- Information security
- Issue management
- Specification management
- Structure management
- Subscription and notification management
- Workflow management

Contact
Siemens PLM Software
Americas 800 498 5351
Europe 44 (0) 1276 702000
Asia-Pacific 852 2230 3333

www.siemens.com/teamcenter