

Teamcenter integration for AutoCAD

Capture, manage and share AutoCAD data using Teamcenter, the de facto standard for PLM deployment

fact sheet

Siemens PLM Software

www.siemens.com/teamcenter

► Summary

Teamcenter® software's integration for AutoCAD enables you to reduce your product development cycle times and costs by enhancing your AutoCAD environment through integration with Teamcenter, the industry-leading collaborative product data management (cPDM) solution.

Benefits

Ability to integrate AutoCAD files with all of your technical data to provide a single source of product information that supports your complete design-through-manufacturing process

Less time spent finding the correct revisions of AutoCAD data

Faster product change and approval processes resulting in decreased time-to-market

Consistent work processes followed across all data formats, resulting in less errors and rework

Improved collaboration within your organization and with customers and suppliers

Features

Access Teamcenter and Teamcenter Express cPDM capabilities directly from within AutoCAD

Create and edit AutoCAD drawings and assembly relationships under the control of Teamcenter

Bi-directionally transfer AutoCAD title block text to/from Teamcenter

Capture AutoCAD Xref relationships to create product structures in Teamcenter

Save AutoCAD Part models to industry-standard JT lightweight representation

Teamcenter's integration for AutoCAD enables design information created in AutoCAD to be captured, controlled and shared by your organization in a highly secure cPDM environment with version management and access controls to ensure that the right people get the right information at the right time.

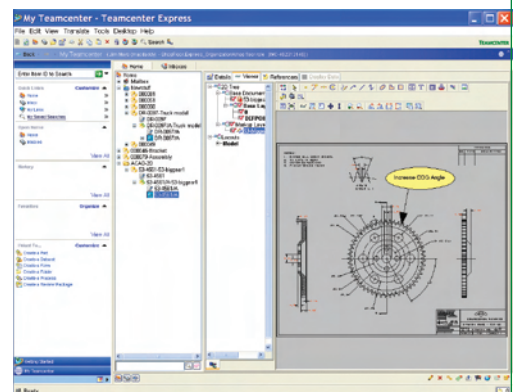
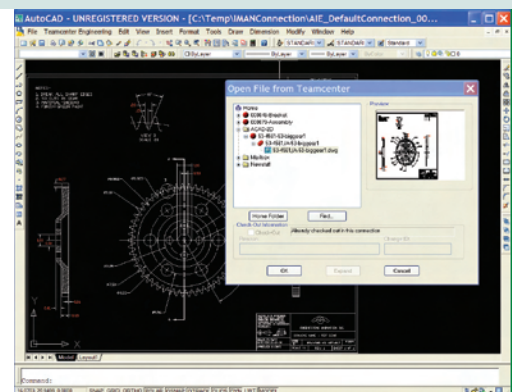
Using this integration, design teams can quickly search and access AutoCAD parts, assemblies and drawings to eliminate time wasted trying to find and share design information. The integration also enables your organization to eliminate unnecessary change orders by ensuring that everyone is working from the latest design information.

These capabilities go beyond workgroup CAD data management, enabling design teams at different locations and throughout your supply chain to work closely together to streamline the product development process through multi-site collaboration.

Teamcenter's integration for AutoCAD is a designer-centric solution that leverages existing Teamcenter rules and enables AutoCAD data to be incorporated into a multi-CAD environment. The user interface is embedded in AutoCAD and includes a pull-down menu for connecting to Teamcenter, searching the Teamcenter database and accessing online help.

Supported AutoCAD documents

- Drawings
- Xrefs
- Overlays
- Related files including DWF, DXF, DXB, BMP, STL, WMF



Integration for AutoCAD – supported functions

- Control versions and revisions of AutoCAD assemblies, parts, drawings
- Access Teamcenter from within AutoCAD; access the Teamcenter workspace and Teamcenter functions such as search and retrieve, thumbnail previews and check-in/check-out
- Save new AutoCAD drawings under Teamcenter using Teamcenter business object rules to assign ID, name and revision
- Perform partial load of AutoCAD assemblies for optimum use of resources
- Place parts from Teamcenter into AutoCAD assemblies and blocks into AutoCAD drawings
- Automatically read Xref links and create product structures in Teamcenter
- Transfer AutoCAD title block data to/from Teamcenter
- Visualize AutoCAD drawings including multiple sheets, models, layouts and layer control
- Automatically generate and manage lightweight visualization (JT) files for AutoCAD models

The AutoCAD integration is supported by both Teamcenter and Teamcenter Express:

- *Teamcenter* powers innovation and productivity by connecting people and processes with knowledge. Teamcenter is the de facto standard for PLM deployments, and is backed by Siemens PLM Software's leadership in delivery.
- *Teamcenter Express* is a configuration of Teamcenter targeted at small to medium sized businesses and is an entry point into the Teamcenter product line. Users of Teamcenter Express can easily expand the scope of their cPDM implementation by taking advantage of Teamcenter's comprehensive portfolio of applications and its proven scalability in terms of performance and global implementation.



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