

## Teamcenter integration for Catia V5

### Capture, manage and share Catia V5 data in a cPDM environment

#### fact sheet

Siemens PLM Software

[www.siemens.com/teamcenter](http://www.siemens.com/teamcenter)

#### ► Summary

Teamcenter® software's integration for Catia V5 allows you to reduce your product development cycle times and cost by enhancing your Catia V5 environment to support best-in-class collaboration within your organization and with customers and suppliers. The integration enables Catia users to access a preconfigured collaborative Product Data Management (cPDM) environment to further optimize their product development process.

#### Benefits

Less time spent by your technical staff trying to find the correct revisions of Catia data

Consistent work processes followed across all data formats

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

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

#### Features

Use Teamcenter cPDM functions available from the Catia V5 interface

Create and edit Catia V5 models, drawings and assembly relationships

Perform partial load and load merge for efficient assembly management

Create new product revisions or version updates for work in progress

Generate drawing title blocks using Teamcenter attributes

Manage mechanical properties of Catia models and assemblies

Provide on-demand access to user's Teamcenter workplace

Store, load and migrate Catia V4 data to V5

Teamcenter's integration for Catia V5 enables all the design information created in Catia V5 to be captured, controlled and shared by your organization in a single, highly secure cPDM environment with version management and access controls to ensure that the right people get the right information at the right time.

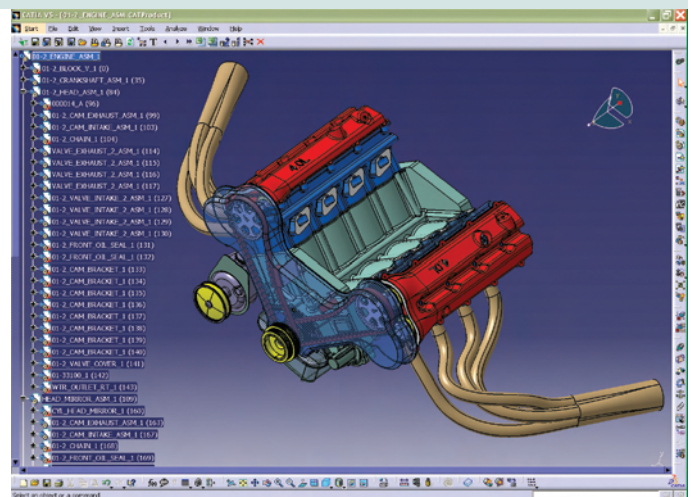
Using the Catia integration, design teams can quickly search for Catia parts, assemblies and drawings. The integration enables users to reduce the amount of time they spend trying to find and share design information, as well as eliminate unnecessary change orders by ensuring that everyone is working 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.

#### Extend the value of Catia V5 with Teamcenter's cPDM environment

**Everyday task and process management.** Teamcenter delivers a cPDM environment that is focused on managing everyday tasks and processes for design through manufacturing. Best-practice industry workflows for product release and engineering change are included to ensure that these processes are conducted consistently and efficiently.

**Multi-CAD collaboration.** Teamcenter's multi-CAD support enables design teams to create and modify component designs on any major CAD system, and assemble their innovations into a multi-CAD product design. Teamcenter synchronizes product information to ensure that everyone is working from the latest designs while automatically managing both native and neutral CAD representations.



### Supported Catia items

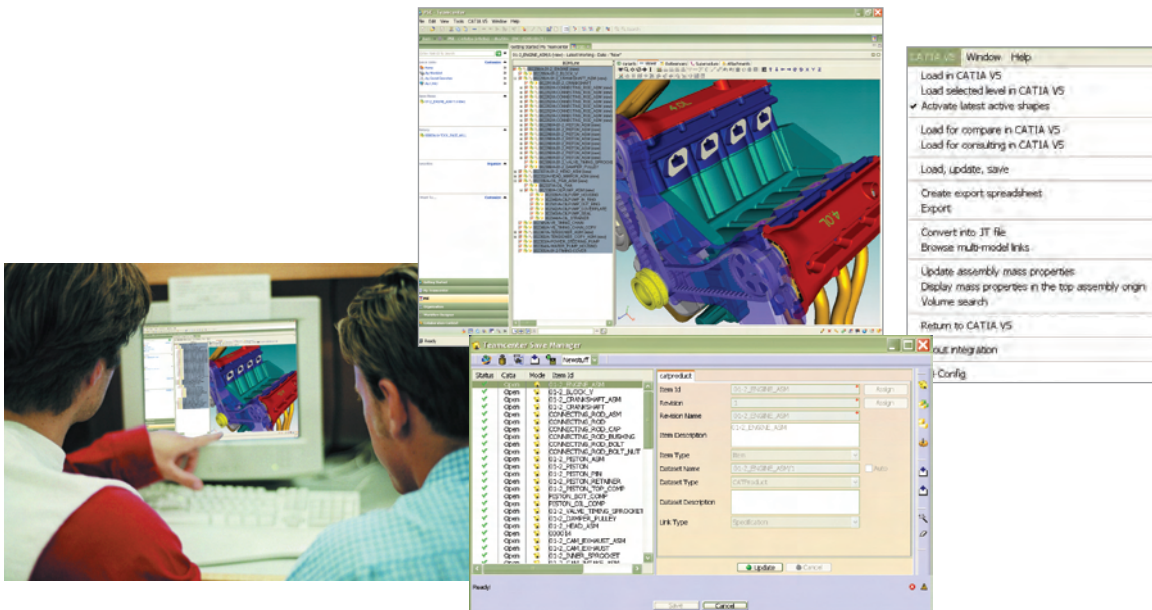
- Models (load and migrate V4 models to V5)
- CATParts (V5)
- CATProducts (V5)
- CATDrawings (v5)

### Integration for Catia V5 – supported functions

- Load – new or merge with existing to create an assembly
- Save – as a new revision, new version, new assembly or individual items
- Save assembly – as a new revision, new version, new assembly or to create new items
- Synchronize title block using Teamcenter database attributes
- Perform proximity search for selective/partial product structure load
- Preserve and navigate multi-model links
- Create, configure and edit assemblies using Teamcenter and/or Catia V5
- Automatically generate and vault lightweight visualization (JT) files for digital mockup
- Save mechanical properties including volume, weight, surface area, moments of inertia
- Work with multiple Catia sessions and leverage the V5 CGR cache
- Store, load and migrate Catia V4 data to V5
- Access Teamcenter workspace and functions such as search and retrieve, where used, check-in/check-out, view and workflow

### Teamcenter advantage

Teamcenter is the world's most widely deployed PLM system, backed by Siemens PLM Software's leadership in delivery. Users of Teamcenter 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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