

# Teamcenter integration for CATIA V5

## Manage, share and re-use CATIA data to improve collaboration and overall business performance

### Benefits

- Reduce costs and development cycle time by facilitating collaboration in your CATIA environment
- Enable your technical staff to spend less time trying to find the correct revisions to CATIA data
- Facilitate consistent work processes followed across all data formats
- Develop faster product change and approval processes resulting in decreased time-to-market
- Enable the integration of CATIA files with all technical data to provide a single source of product information that supports the complete design-through-manufacturing process

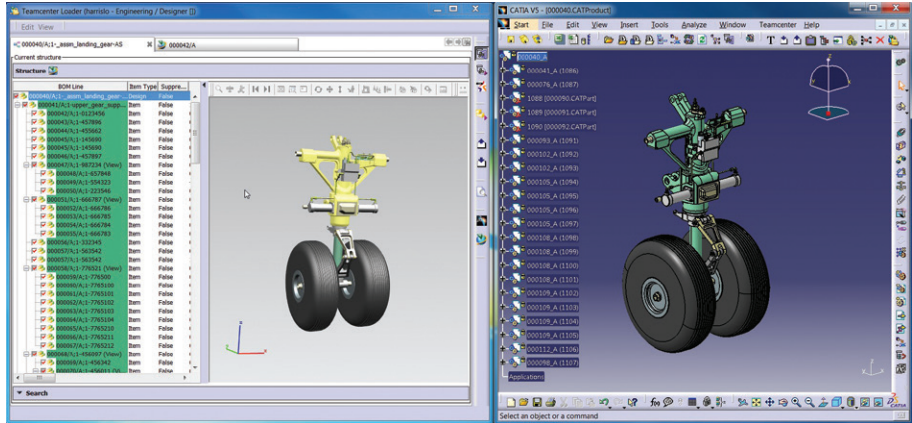
### Summary

The Teamcenter® software 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, as well as with customers and suppliers. The integration provides access to a full range of product lifecycle management (PLM) capabilities to further optimize your design-through-manufacturing processes.

### Capture, manage and share CATIA V5 data

The integration supports multiple ways for the user to interact with Teamcenter including a CAD Centric User Interface which simplifies and improves the user experience, Teamcenter Active Workspace which provides intuitive access to a full range of product life-cycle management (PLM) functionality, as well as the traditional Teamcenter client, all designed to help you further optimize your design-through-manufacturing process.

The Teamcenter 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 PLM environment that includes version management and access controls to ensure that the right people get the right information at the right time.



The CAD Centric User Interface helps simplify and improve the user experience.

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## Features

- Use Teamcenter PLM functions available on 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 the user's Teamcenter workplace
- Store, load and migrate CATIA V4 data to V5

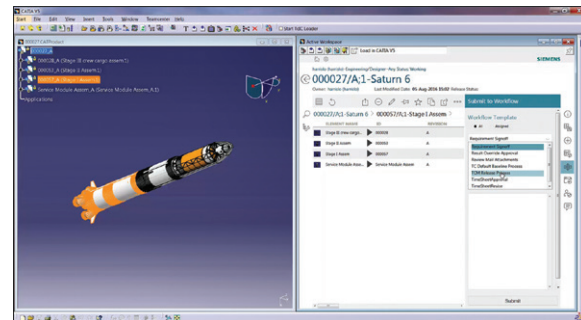
Using the CATIA integration, design teams can quickly search for CATIA parts, assemblies and drawings. The integration enables users to reduce the amount of time they spend trying to find and share design information, as well as eliminate unnecessary change orders by ensuring that everyone is working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

Optimized for scalability across a wide-area network (WAN), Teamcenter capabilities go beyond workgroup computer-aided design (CAD) data management, enabling design teams at different locations and throughout your supply chain to work closely to streamline the product development process through multi-site collaboration.

## Extend the value of CATIA with Teamcenter Rapid Start and Active Workspace

For new Teamcenter customers who want to get up and running quickly, you can choose the Teamcenter Rapid Start deployment option for Teamcenter, which delivers a preconfigured product data management (PDM) environment that is focused on managing everyday tasks and processes for product development. Preconfigured industry best-practice workflows including design release and engineering change ensure that processes are completed consistently and efficiently.

Active Workspace is a simple and intuitive user interface for Teamcenter that enables CATIA designers to work



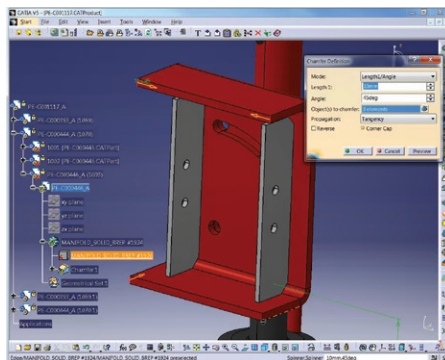
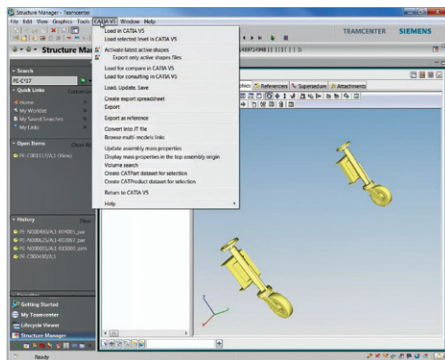
Active Workspace provides intuitive access to a full range of product lifecycle management (PLM) functionality.

efficiently and effectively in a collaborative environment. The PDM environment can be extended to include non-CAD users through Active Workspace's browser-based user interface or integration with Microsoft Outlook.

## Multi-CAD collaboration and design in-context

Teamcenter support for multi-CAD deployments 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 can be used to synchronize product information to ensure that everyone is working from the latest designs while automatically managing both native and neutral CAD representations.

Further improving productivity, Teamcenter design "in-context" and spatial search capability enables CATIA designers to quickly navigate large amounts of product and process information needed to establish the proper spatial context for their design activity. By performing detailed searches of the model, such as "show me everything connected to the engine, braking or rear suspension system" Teamcenter will retrieve only the relevant design data, regardless of the source of the multi-CAD data, helping the designer retain the context of the total product.



### Supported CATIA types

- Models
- CATParts
- CATProducts
- CATAnalysis, CATProcess, CATShape, CGR
- CATDrawings

### Supported functions

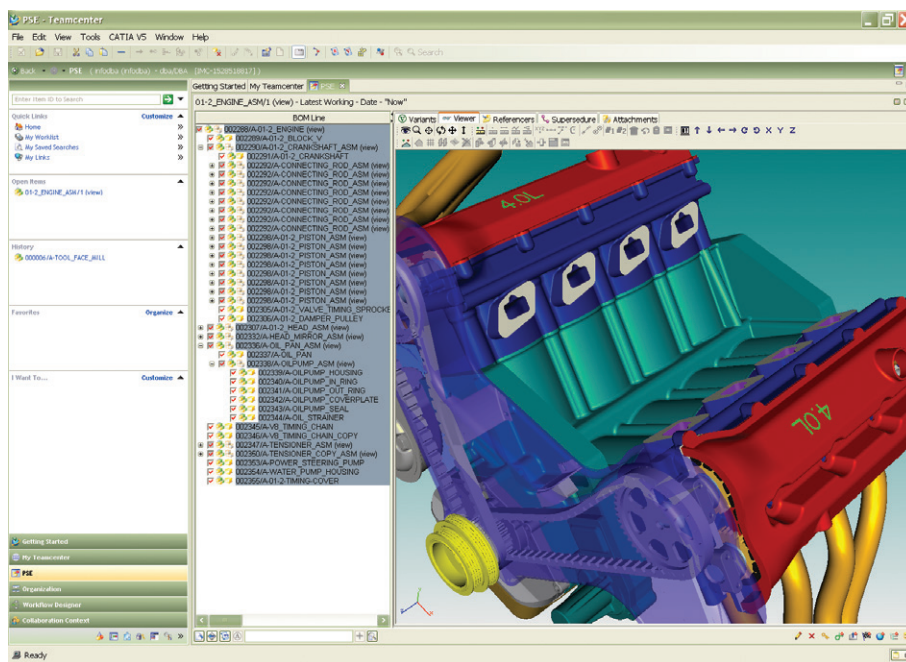
- Load – incorporate new design data or merge design data with existing data to create an assembly
- Save – store data as a new revision, version, assembly or individual item
- Property mapping and title block synchronization using Teamcenter database attributes
- Perform proximity search for selective/partial 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 using the JT™ data format files for digital mockup
- Save mechanical properties, including volume, weight, surface area and moments of inertia
- Store, load and migrate CATIA V4 data to V5
- Management of lightweight CATIA cache files
- Management of multiple CATIA environments
- Expose flexible assemblies, scenes, representations and hide/show mapped with Teamcenter

### Teamcenter advantage

The CATIA V5 integration is supported by both Teamcenter and Teamcenter Rapid Start, which power innovation and productivity by connecting people and processes with knowledge.

- Teamcenter is most widely used PLM system, which is backed by Siemens PLM Software's leadership in installation, service and support. Users of Teamcenter can easily expand the scope of their PLM implementation by taking advantage of a comprehensive portfolio of applications as well as its proven scalability in terms of performance and global implementation
- Teamcenter Rapid Start is a preconfigured PDM deployment option for Teamcenter that is used to manage design data as well as everyday tasks and processes, providing an ideal entry point into the Teamcenter product line for small and medium-sized businesses with a growth path to PLM.



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