

Windchill® Workgroup Manager for CATIA® V5

Delivering the Power and Benefits of Windchill to the CATIA V5 Environment

Designers can now perform everyday design tasks in their familiar MCAD environment while using Windchill to manage CATIA V5 data throughout its lifecycle.

Managing CATIA V5 data within Windchill allows you to capture and control your design information within a single enterprise environment, manage the data under a single product structure, and easily leverage that information across the extended organization in a controlled manner.

Key Benefits

Improve Collaboration

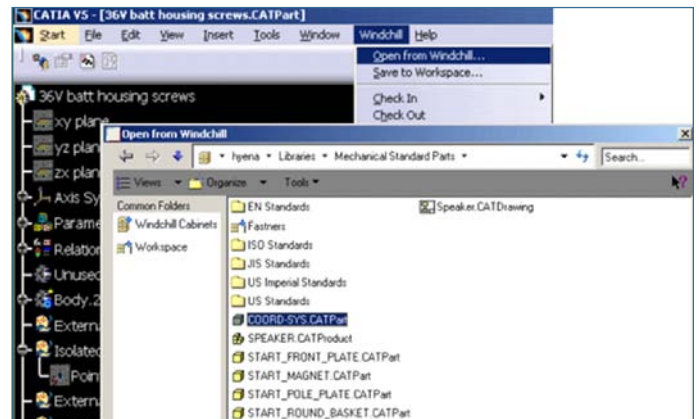
- Fully incorporate the use of CATIA V5 data in product development processes that span multiple organizations
- Extend the sharing of design data beyond engineering, departmental and corporate boundaries using standard Internet technology

Improve Data Quality

- Eliminate mistakes associated with duplicate or incomplete data by managing data from multiple MCAD and ECAD/EDA systems in a single, controlled location under the umbrella of a single product structure
- Centralize the management of business processes, such as change control
- Provide all relevant groups with accurate, up-to-date product content information that's held in a single location

Improve Engineer Productivity

- Increase operating efficiency by reusing design data and reducing the number of design steps
- Embed Windchill actions within the CATIA V5 application, enabling designers to focus on design activities rather than data management
- Minimize engineer interruptions by utilizing background processes to upload files to Windchill, thus allowing designers to continue using CATIA V5 without having to wait for database actions to complete



Embedded Windchill Workgroup Manager menu option within the CATIA V5 environment. CATIA V5 users can browse/search and open CATIA V5 models in Windchill directly from CATIA V5.

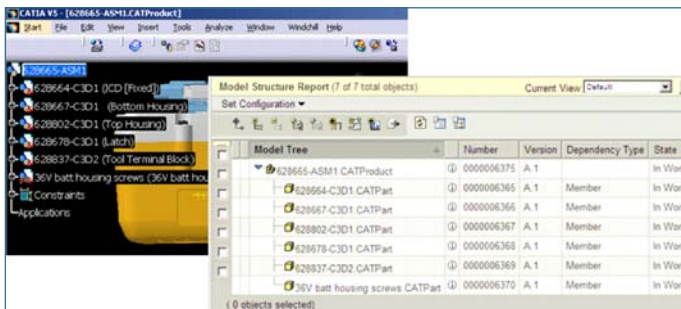
Increase Enterprise Efficiency

- Reduce the number of product development systems by having one system that can manage multiple sources of data (e.g., different CAD and documentation formats)
- Enforce standard design processes across multiple design projects and organizations

Features

Support Key CATIA V5 Data and Features

- Store the different CATIA V5 file types: Parts (.CATPart), Assemblies (.CATProduct), Drawings (.CATDrawing), Catalogs (.Catalog), Manufacturing Processes (.CATProcess) and Simulation/Analysis (.CATAnalysis) in Windchill and recognize that these files were authored using CATIA V5
- Extract CATIA V5 links (CCP, KWE, Import, MML, Publications, View, Instance, etc.) between CATIA V5 documents, and expose these relationships in the Windchill environment
- Recognize CATIA V5 Design Tables to represent part families and manage Design Table files (.XLS or .TXT) within the Windchill environment
- Recognize CATIA V4 (.model) files used within CATIA V5 Assemblies (.CATProduct) and manage such CATIA V4 models within the Windchill environment
- Support for CGR Cache Mode and manage CGRs for CATIA Assemblies (.CATProduct)
- Open files directly in CATIA V5 when browsing or searching Windchill



Windchill Workgroup Manager for CATIA V5 extracts product structure and other document-to-document links in CATIA V5 and publishes them in the Windchill environment.

Exchange Attribute/Property Information between CATIA V5 Files and the Windchill Environment

- Expose CATIA V5 attributes to Windchill for searching purposes
- Make Windchill attributes available within CATIA V5 for purposes such as displaying values on drawing borders
- Allow CATIA V5 attributes to be edited in the Windchill environment
- Eliminate the need to enter attributes in both the Windchill and CATIA V5 environments
- Reduce the amount of time designers spend entering information in CATIA V5 by having certain attributes, such as information on drawing borders, automatically populated by Windchill

Integrate the CATIA V5 Environment within Windchill and its Related Enterprise Processes

- Utilize Windchill tools for managing CATIA V5 data within the product structure, development process and lifecycle
- Enable Check-In and Check-Out of named design baselines, latest configurations, or criteria such as latest released configuration or effectivity date
- Manage CATIA V5 data within the Windchill engineering change management process
- Eliminate BOM redundancy and errors by synchronizing the enterprise BOM with the CATIA V5 structure
- Allow CATIA V5 data to be part of an enterprise BOM structure that can contain data from many different CAD systems
- Enable version control of CATIA V5 data to record complete traceability of changes and design development
- Enable concurrent development, as Windchill can track all related activities and convey that information to other members of the design team
- Utilize status icons to quickly inform CATIA V5 designers and other users about the condition of CATIA V5 data within Windchill

- Allow users to rename CATIA V5 designs in Windchill and subsequently update the file relationships in CATIA V5
- Enable copying of CATIA V5 designs and structures in Windchill and subsequently update the file relationships in CATIA V5
- Register multiple versions of CATIA V5 and intelligently load CATIA models in the appropriate CATIA V5 version

Embed Windchill in the CATIA V5 Application

- Open CATIA V5 files, stored in Windchill, directly from CATIA V5
- Perform key Windchill actions, such as Open, Check-In and Check-Out, directly from the CATIA V5 environment
- Inform CATIA V5 users on any relevant Windchill events via pop-up messaging system
- Upload CATIA V5 files to the Windchill database using background processes
- Use a comprehensive set of preferences to personalize and streamline your CATIA V5 interaction with Windchill

Exchange and Share Design Data in a Collaborative Environment

- Enable controlled sharing of CATIA V5 data across the enterprise
- Utilize generic visualization collaboration tools to provide visibility of CATIA V5 designs to the entire enterprise, regardless of whether users have access to or knowledge of CATIA V5
- Make CATIA V5 design data available to external audiences that have proper system access

Platform Specifications

- Prerequisite:
 - Windchill PDMLink®, Windchill ProjectLink™
- Operating Systems:
 - Microsoft Windows®: XP (32-bit and 64-bit), Vista (64-bit)
 - UNIX® (64-bit): Solaris (SPARC platform), HP-UX 11i
- Browser: Internet Explorer® v6.0 and 7.0, Mozilla Firefox® 1.7.8 (UNIX only)
- Languages: English, Japanese, French, German, Korean, Simplified Chinese

To learn more about Windchill Workgroup Manager for CATIA, please visit our website at: <http://www.single-sourcing.com/>

NOTE: The timing of any product release, including any features or functionality, is subject to change at PTC's discretion.

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