

Windchill® Integration to AutoCAD® for PTC SharePoint® Products

Delivering the Power and Benefits of Windchill ProductPoint® to the AutoCAD Design Environment

Designers can now perform everyday design tasks in their familiar AutoCAD environment while using Windchill ProductPoint to manage product data throughout its lifecycle.

Built on Microsoft's powerful and scalable SharePoint technology, Windchill Integration to AutoCAD for PTC SharePoint Products leverages SharePoint's ease of use and familiar environment for the AutoCAD designer.

Managing AutoCAD-authored data within Windchill ProductPoint allows you to capture and control all your design information within a single enterprise environment and easily leverage that information across the extended organization in a controlled manner.

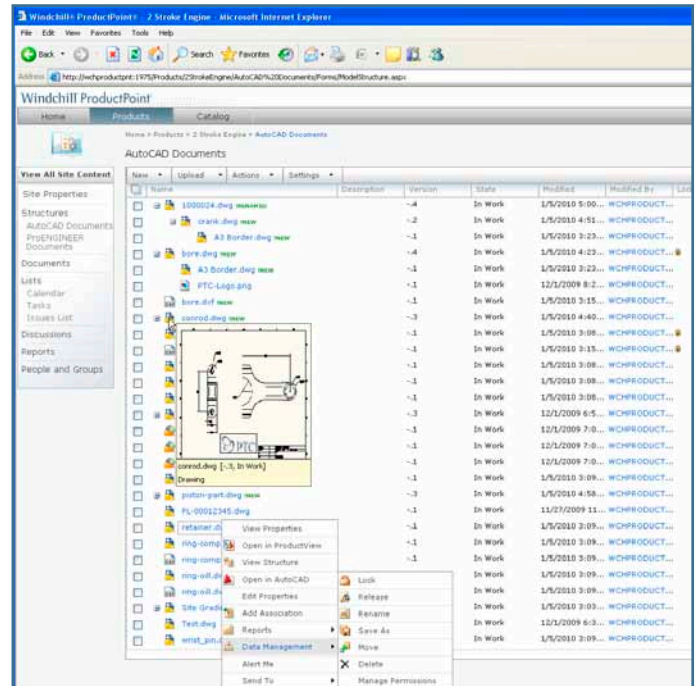
Key Benefits

Improve Collaboration

- Extend the sharing of design data beyond engineering departmental and corporate boundaries using standard Internet technology
- Incorporate the wider organization in the review, change and release processes associated with AutoCAD data
- Use Windchill ProductPoint to leverage the many features of Microsoft SharePoint's familiar collaborative environment to the AutoCAD user

Improve Data Quality

- Eliminate mistakes associated with duplicate or incomplete data by managing data from multiple desktop authoring tools in a single, controlled location
- Centralize the management of business processes, such as change and release control
- Provide all relevant groups with accurate, up-to-date, relevant product content information that's held in a single location
- Ensure that everyone is working with the latest data
- Prevent designers from overwriting either their own changes, or changes by others, by automatically locking the document when edits are occurring



The Windchill Integration to AutoCAD for PTC SharePoint Products understands AutoCAD data and file types, as well as the relationships that can exist between that data.

Improve Engineer Productivity

- Increase operating efficiency by reusing design data and reducing the number of design steps
- Enable AutoCAD to interact directly with Windchill ProductPoint using native AutoCAD commands, so that designers can focus on design activities rather than on data management
- Minimize engineer interruptions by using background processes to upload files to Windchill ProductPoint, thus allowing designers to continue using AutoCAD without having to wait for database actions to complete

Increase Enterprise Efficiency

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

Features

Support Key AutoCAD Data and Features

- Store different AutoCAD file types, such as *.dwg, *.dwt, *.dws and *.dxf in Windchill ProductPoint, and recognize these files as being authored in AutoCAD
- Recognize External Reference (XREF) dependencies to DWG files and raster images, and represent those references in the Windchill ProductPoint environment
- Open files directly in AutoCAD when browsing or searching Windchill ProductPoint
- Manage AutoCAD template files in Windchill ProductPoint
- Use native AutoCAD icons to make AutoCAD data easily identifiable in Windchill ProductPoint

Exchange Attribute/Property Information between AutoCAD Files and the Windchill ProductPoint Environment

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

Integrate the AutoCAD Environment with Windchill ProductPoint Data Management

- Enable AutoCAD data to be securely vaulted and version-controlled to record complete traceability of changes and design development
- Use Windchill ProductPoint for managing access control and release procedures for AutoCAD data
- Display status icons, messages and alerts within AutoCAD to convey information about the status (and changes to status) of data within Windchill ProductPoint to the designer
- Use native AutoCAD commands to save and retrieve data directly to and from Windchill ProductPoint

- Enable concurrent design, as Windchill ProductPoint tracks changes to data and conveys that information to other members of the design team
- Upload AutoCAD files to the Windchill ProductPoint database using background processes
- Expose XREF structure to Windchill ProductPoint for: traceability of related files; assessing change impact; and ensuring that the data management system captures the complete definition of drawings (i.e., no more searching for missing references)

Exchange and Share Design Data in a Collaborative Environment

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

Platform Specifications

- Prerequisite: Windchill ProductPoint
- Operating Systems: Microsoft Windows® Vista and XP (32-bit and 64-bit)
- Browser: Microsoft Internet Explorer® 7.0 and 8.0
- Languages: English, French, German, Spanish, Italian, Japanese, Chinese (Traditional), Chinese (Simplified), Korean, Russian



To learn more about Windchill Workgroup Manager for AutoCAD, 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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