PTC®

the product development company®

Windchill® PDMLink®

CONTROL ALL THE CONTENT AND PROCESSES THAT DRIVE PRODUCT DEVELOPMENT

Windchill PDMLink not only captures, configures and manages product information during every step of the product lifecycle, but it also effectively supports your company's initiatives to optimize key business processes. The result: you can finally align product development with strategic corporate goals, and improve your business results.

Windchill PDMLink gives global manufacturers the ability to consolidate scattered product information and bring order to chaotic development processes. With its powerful content, configuration and change management capabilities, Windchill PDMLink helps you drive product success.
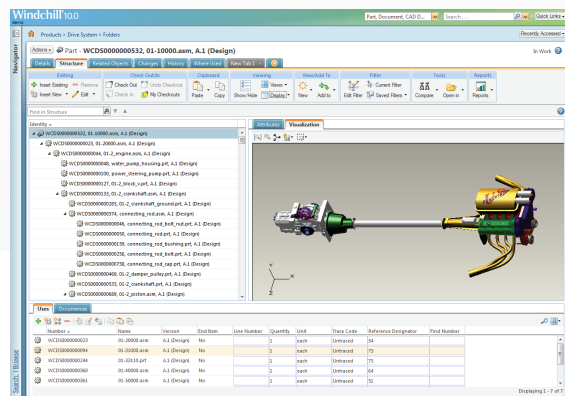
Key Benefits

Improve product quality

With a single, complete digital product definition, Windchill PDMLink enhances product quality by eliminating mistakes associated with duplicate or incomplete data. Potential problems can now be identified earlier in the process. With all levels of content—from final assembly structures to individual components—configured, managed and stored in a one central repository, everyone within the enterprise can now immediately access the same product information.

Reduce process errors and engineering rework

Windchill PDMLink includes a comprehensive Change Management process that can both 'fast-track' your simple, low-cost changes and 'full-track' extensive modifications, all while automatically documenting revision and iteration histories. Problems caused by miscommunication or delays in conveying product changes are eliminated.

Support global product development

Windchill PDMLink was designed to support distributed product development with a Web-based architecture that can coordinate replicated databases around the world. Now anyone, anywhere within the enterprise or extended supply chain can communicate and collaborate on product development. Regardless of location, activities and events can now be monitored, allowing you to identify potential bottlenecks or duplicate tasks.

Users viewing and editing product structures in Windchill PDMLink can edit across multiple levels, update product structures and take advantage of embedded visualization.

Features

Powerful configuration management

- Manage the evolution of configurations over time using out-of-the-box lifecycle templates that can be modified and reused

- Create and manage multiple product structure views such as "As-Designed" and "As-Planned"

- Establish rules for interchangeability, including the use of alternates and substitutes

- Create new part numbers for significant changes, while maintaining existing numbers for minor changes using revision/iteration levels

- Utilize date, lot, product or component serial number effectivity methods

- Define and manage customer-specific product variations based on a defined set of available options

- Easily identify differences between multi-level BOM structures

- Improve top-down design by directly creating a new configuration for the Creo™ design environment

- Quickly access a section of a specific configuration instead of downloading the entire "150%" CAD model

Out-of-the-box, best-practice change management process

- Create, manage, route and track problem reports, change requests, and change notices, using customer-defined terms and templates

- Apply simple procedures for simple changes and mass changes, and apply thorough procedures for high-impact changes; preview content for print, PDF and Web media

- Use the online dashboard to report trends in volume, severity and cycle time of changes

- Manage deviations and waivers with the manufacturing team

Comprehensive product content management

- Securely vault all product data using check-in/check out, history, search and access control

- Track, store and share multiple versions/iterations of product structures, product definition data, Creo models and drawings, and (optionally) other MCAD and ECAD systems, including AutoCAD®, CADDS® 5, CATIA®, SolidWorks®, Unigraphics®, Inventor®, Mentor Graphics®, Zuken®, and Cadence®

- Manage and associate other product content, such as requirements, product specifications, technical publications, simulation results, production plans, software builds, engineering calculations and 3D viewables

- Query for any product-related information using the embedded search engine

- Create and manage packages of design information (Parts, CAD Models, Change Objects, Documents), view, baseline and interact on line, and share with external partners off line

Business process automation and reporting

- Graphically define or extend pre-defined, workflow-driven processes to automate and manage the progress of product development tasks

- Assign automatic notifications for key events, such as a revision to an assembly BOM or the release of a design document

- Enforce deadlines with escalation policies for proactive and follow-up notifications

- Use the Cognos Reporting Engine to generate pre-built reports; optionally create your own reports, or modify existing ones using the Cognos framework

Pervasive visualization

- Easily identify parts by viewing thumbnail images that are automatically created upon CAD check-in

- Easily view, collaborate, investigate and mark up dimensionally accurate 2D and 3D product information using the embedded visualization capabilities powered by PTC's Creo visualization tools

Integrated with other applications

- Download and upload product data with Microsoft® Excel®

- Microsoft Outlook® email and meeting integration

- Optionally integrate with embedded software development and build tools to synchronize hardware and software deliverables

- Integrate with PTC's Arbortext® to optimize and streamline your technical illustrations and documentation process

- Integrate with PTC's Mathcad® software to capture, search and reuse engineering calculations

- Optionally integrate with legacy and enterprise systems such as ERP

- Integrate with Windchill Product Analytics modules to provide early visibility into product performance

- Integrate with Windchill Quality related modules to improve visibility and control of quality processes and potential risks

- Extend Windchill into critical aftermarket business processes by supporting PTC's service information solutions from Arbortext

Scalable and secure

- Intelligently replicate content to remote file vaults for use by distributed design teams

- Fully scalable—capable of handling thousands of concurrent users

- Define security at the domain (user, group, role), maturity (lifecycle state) or instance (individual folder, document, part) level

- Support for Export Control access control policies

Platform specifications

- Microsoft Windows®, UNIX®, Linux®

- Browser: Internet Explorer®, Mozilla Firefox®

- Database: Oracle® 11 and SQL Server 2008

- Languages: English, Chinese (Traditional and Simplified), French, German, Italian, Japanese, Korean, Spanish, Russian

For the most up-to-date platform support information, please visit: PTC.com/partners/hardware/current/support.htm