

# Top 10 Reasons to Upgrade to Windchill® 9.0

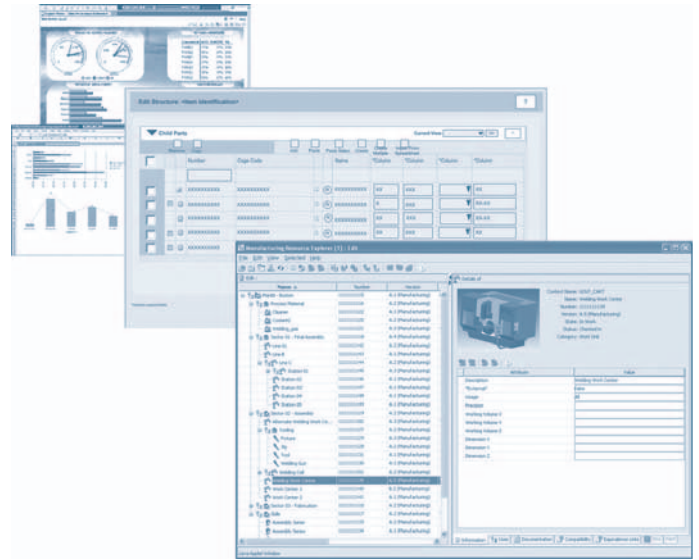
With support for key product development processes, plus a host of improvements in enterprise product content management and usability, Windchill 9.0 offers immediate solutions to business initiatives such as lowering product costs, achieving greater design reuse, and improving productivity.

Here are the top ten reasons why upgrading to Windchill 9.0 can benefit your organization:

## 1. Strengthens Business Processes

Windchill 9.0 accelerates key product development processes for companies of all sizes. In today's environment, where more products are demanded in less time, Windchill 9.0 provides new capabilities that eliminate duplicate efforts and unnecessary overhead, allow for better collaboration, and improve productivity. Specifically, Windchill 9.0 helps optimize the following business processes which are described in the subsequent sections:

- Manufacturing
  - Manufacturing Process Management: Concurrent development of product designs and manufacturing processes
- Engineering
  - Change and Configuration Management: Streamlining change management approval cycles
  - Detailed Design: Controlling and coordinating complex design activities
  - Variant Design and Generation: Managing multiple design configurations of the same basic product
  - Design Outsourcing: Effectively coordinating product design activities with contract designers and vendors
- Publishing
  - Technical Publications: Improving the collaboration and accuracy of product-related documentation



Windchill 9.0 offers many new features and improvements, including a new reporting engine, a browser-based product editor, and Manufacturing Process Management capabilities.

## 2. New, Integral Manufacturing Process Management

With Windchill 9.0, PTC introduces Windchill® MPMLink™, an optional module that improves efficiency and time-to-market by enabling manufacturing and design engineers to concurrently define the product design and its manufacturing processes. Windchill MPMLink allows manufacturing engineers to derive manufacturing processes from the same product information that's being defined by engineering, thus eliminating the overhead of creating and maintaining duplicate product information. By easily transforming engineering models into manufacturing Bill of Materials (mBOMs) and manufacturing processes, you ensure that the product will be accurately manufactured according to the design specification. And, by having one integral system for change management across engineering and manufacturing, you eliminate duplicate entries and potential miscommunications, while reducing overall cost.

### 3. Streamlined Engineering Processes

Windchill 9.0 helps you advance key engineering processes, so you can meet today's challenges of increasing demand for customer specific products, growing global competition, and accelerating New Product Introductions (NPIs).

- Windchill 9.0 helps you quickly define and validate product variations, so you can meet customer specific product requirements without increasing costs or lengthening delivery schedules.
- Design efficiency has been enhanced with many new CAD data management capabilities. Now you can import and export objects within the workspace, view just the latest revision, and copy assembly structures in the workspace ( e.g., update the parent).
- Windchill 9.0 helps designers quickly execute product configuration changes with improved capabilities such as browser-based product structure editing; flexible part numbering policies and serialization; improved effectivity propagation; and additional capabilities for handling alternate and substitute parts.
- To expedite the change process, Windchill 9.0 makes it easier to create, group and manage change requests with enhanced capabilities such as improved out-of-the-box tasks, streamlined and more flexible user interactions, and the efficient capturing of all important decisions.
- With manufacturing being done on a global basis. Windchill 9.0 offers out-of-the-box processes for both capturing and controlling all variance decisions, regardless of where the decision was made or what locations are impacted.

### 4. Integral Solution for Managing Technical Publications

With the integration of Windchill and Arbortext, you can now optimize and streamline your technical publications process by creating content using an XML-based component approach. It reduces problems such as manual/disconnected document hand-offs, repetitive document creation work, and expensive translations. With Windchill 9.0, Windchill ProjectLink now 'understands' Arbortext-authored documents, so that authors can collaborate during the document development process and project managers can track technical publication tasks throughout the product development process.

### 5. Enhanced Usability

Windchill 9.0 improves usability with streamlined user interactions and powerful role-based user interface configuration capabilities. Other usability improvements include new object information pages, improved tables, a unified part model, form enhancements, workflow improvements, support for Adobe forms, and a common UI framework. Bottom line: fewer steps and less time is needed to perform many common tasks.

### 6. Improved Supportability

Windchill 9.0 uses the industry standard Log4J and JMX frameworks to monitor system activities, allowing you to easily enable verbosity without restarting the server, tailor log files to monitor specific activities and obtain an accurate snapshot view of the system in real time. Audit management now includes more objects and events, and has the ability to

export and purge audit history. The event framework has been enhanced to efficiently handle subscriptions and notifications, as well as manage additional information. Lastly, the user now has querying capabilities for constructing custom inquiries and reports.

### 7. New Reporting Capabilities

Windchill 9.0 enhances your reporting capabilities with Windchill Business Reporting, based on the industry-leading Cognos 8 Business Intelligence. It includes free, pre-built reports using the Cognos framework. The optional Business Report Author module allows you to use Cognos to create your own reports or modify existing ones.

### 8. Faster Visualization

Windchill 9.0 includes embedded ProductView Lite visualization capabilities that has dramatically improved performance in the loading, rendering, and interaction of visual data. Now, extremely large visual data models can be easily shared across multiple, remote sites.

### 9. Consistent MCAD Data Management Experience

Regardless of which CAD applications your company uses, Windchill 9.0 offers a consistent way to manage your CAD data. Modeled after the Pro/ENGINEER – Windchill integration, Windchill Workgroup Managers give any MCAD user capabilities that previously were only available to Pro/ENGINEER users.

### 10. Enhanced Replication

In order to support a global product development effort, one must have an effective infrastructure to coordinate with other sites, partners, and suppliers. Windchill 9.0 offers new smart replication capabilities that improve system performance and availability for remote users and external partners. It also reduces replication setup and administrative maintenance. Thus, design content can be easily dispersed and coordinated among distributed design teams.

### Windchill 9.0 – Streamlining Your Product Development Processes

Windchill 9.0 accelerates key product development processes for companies of all sizes. In an environment where more products are demanded in a shorter time-period, Windchill 9.0 helps improve your business processes and productivity so that more products can be developed and shipped then ever before.

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

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