

# Windchill® 11

Windchill 11 offers breakthrough Product Lifecycle Management (PLM) capabilities– unleashing more data about your products to more stakeholders throughout your organization– for PLM that is Smart, Connected, Flexible and Complete.

Windchill 11 introduces the first Smart Connected PLM™ solution. Leveraging the unparalleled capabilities of PTC's advanced Internet of Things (IoT) technology, Windchill 11 introduces breakthrough new PLM functionality that allows you to deliver more product data to more lifecycle stakeholders than ever before.

## Top 11 new capabilities in Windchill 11

### Windchill 11 introduces...

#### Role-based Apps: ThingWorx Navigate

- Make role- and task-specific PLM data available to all stakeholders in the product lifecycle
- Support rapid innovation and better decision making by unleashing highly dynamic, accurate PLM data throughout the enterprise, providing instant skills to more users

#### Connected Quality: Windchill Quality Management – ThingWorx Extension

- Capture and analyze IoT data to understand real-time performance and quality
- Improve speed and accuracy of root cause analysis and corrective / preventive actions to drive critical service activities or engineering changes faster and to improve next-generation products

#### ALM-PLM integration: Requirements traceability

- OSLC implementation seamlessly links data for transparent access without duplication
- Track and manage requirements across the product lifecycle, gaining end-to-end traceability to understand the impact of changing requirements on the product Bill of Materials (BoM)

#### Windchill 11 provides the first PLM that is...



##### Smart

Drive Innovation with better, smarter PLM access for *all stakeholders*.



##### Connected

Improve quality with field performance data to support *all lifecycle processes*.



##### Complete

Manage product complexity with a single source for *all product data*.



##### Flexible

Reduce costs with a modern cloud architecture supporting *all deployments*.

### **Smart, connected support: Performance Advisor for Windchill**

- Leveraging IoT technology, Windchill automatically alerts PTC Technical Support of its issues
- Secure and compliant to enable proactive support, Performance Advisor for Windchill improves the administrator and end-user experience while enhancing PLM performance, reliability, and uptime

### **Windchill 11 advances...**

#### **Windchill search: Find the right information faster**

- Powerful, multifaceted new search combines parts classification search with traditional attribute searching for a seamless experience
- Easily filter results with a popular web-style approach and leverage a familiar keyword search experience

#### **BOM management: More accurate, More reliable decisions for every stakeholder**

- Advance product development from a drawing-centric approach to a parts-centric approach, unleashing the full power of Windchill to manage a complete, multidimensional BoM
- Includes better structure visualization, graphical status updates, auto part-name generation, variant logic sharing with ERP, greater support for Cadence, configuration interference checking and flexible change management processes

#### **BOM Transformation: Parallel design and manufacturing planning for faster TTM**

- Completely new, streamlined user interface for Windchill Manufacturing Process Plans and Instructions enhances speed, accuracy, ease-of-use, and collaboration between manufacturing and engineering stakeholders across the organization

- New, highly visual user experience for BOM transformation, plant-specific attributes on MBOM, associativity on part and occurrence level, and conformity analysis between EBOM and MBOM

#### **Management of Creo breakthrough technology: Continuous, Connected Design Intelligence**

- Create full third-party designs to enable your Model-Based Enterprise strategy
- Creo Design Exploration Extension (DEX) with Windchill frees designers to innovate and share without the need to iterate or impact PLM processes; manage DEX files as native Creo objects, providing lifecycle and iteration control; manage and collaborate on complete Creo Unite assemblies, including all supported third-party file types; add “read-only” files like library parts and released information on Creo Unite assemblies

#### **IP protection: Secure IP while increasing collaboration**

- Protect sensitive data while supporting your global “design anywhere, build anywhere” strategy
- Builds on the capabilities of Windchill 10 by adding support for security labels at check-in, display of security labels in structure components, and security label attributes continuous after product copy

#### **Cloud deployment: Elevate PLM with a modern cloud infrastructure and flexible licensing**

- New deployment offerings including SaaS and fully hosted PLM Cloud reduce the burden on IT
- New subscription model with active user pricing enables you to scale up or down as program and project needs change

**And many more Core PLM enhancements to improve usability and experience, including:**

- Updated, modernized user interface
- Creo Element Direct Management updates
- Automatic project updates
- NPI process improvements
- Redesigned Query Builder
- System Monitor 4.0
- Expanded Windchill Quality Management capabilities

Learn more at: [PTC.COM/go/windchill11](https://PTC.COM/go/windchill11)

With the AR Design Share capability, users of PTC's PLM solutions are able to visualize a product design, at scale, and in its physical context – whether that be on the shop floor or in the field. Users can create and securely share designs through an AR experience with both internal and external stakeholders – all while protecting IP. With integration to Vuforia, PTC's world-leading AR platform, AR experiences can be authored and published with the click of a button from right inside of the design. By leveraging AR in the design review process, teams can quickly view and comment upon models, resulting in faster reviews and better decision-making.

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J12828-Windchill11-EN-0119