

PTC Windchill Integration

for Microsoft Dynamics 365 Enterprise Operations (and Microsoft Dynamics AX)

Manufacturers face increasing demands to deliver high-quality products in a short time and within budget. Meeting these requirements often means both the design and product-engineering cycles must overlap. As a result, managing the drawings and bill of materials (BOM) and item revisions can be complex and error prone, leading to long delays and expensive reworking. Today's integrations between product lifecycle management (PLM) systems and enterprise resource planning (ERP) systems are evolving from simple export/import at the product release level to a more integrated working environment between engineers and operations. The To-Increase PLM integration for PTC Windchill and Microsoft Dynamics 365 Enterprise Operations is built on this new model.

Designed with a strong focus on concurrent engineering, the To-Increase solution extends the release process into the Microsoft Dynamics 365 Enterprise Operations environment. The To-Increase PLM integration for PTC Windchill and Microsoft Dynamics 365 Enterprise Operations frees you from working within a restrictive, bottom-up strategy when creating a complex BOM—which in turn enables relevant collaboration across departments. The entire team can easily share and work on product-design information while maintaining control of all product revisions.

The To-Increase PLM integration is built on Microsoft Dynamics 365 Enterprise Operations, a stable, rich foundation for generic ERP functions. By integrating industry-specific functionality within a single environment, Microsoft Dynamics 365 Enterprise Operations helps eliminate data silos and disconnected processes. Across your entire organization, people have centralized, intuitive access to critical information and tools.



Benefits

- **Enhance collaboration between engineering and operations.** Release parts of a BOM to Microsoft Dynamics 365 Enterprise Operations, so operations can start work as early as possible.
- **Reduce costly and time-consuming revision issues.** Gain better insight into the impact of updating an ongoing project by managing drawing and item revisions throughout the operational process.
- **Increase release and change management efficiencies.** Introduce an adaptable change management process for the BOM. By decoupling item revisions from project and production revisions, you can run a project using new and old revisions simultaneously.
- **Provide one view of operational information.** The seamless integration allows to add data from both PTC Windchill and Microsoft Dynamics 365 Enterprise Operations creating a unanimous source for product information. Combining as-designed information with as-produced information in one single User Interface. Avoiding the traditional pitfall of having multiple versions of the truth.

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For more information about PTC Windchill Integration for Microsoft Dynamics 365 Enterprise Operations, visit www.to-increase.com 

Features

Collaborative Environment	Release from anywhere in a complex BOM, enabling procurement, production, and planning to begin working on part of the product while other parts are still being engineered.
Revision Management	Extend revision management into the Microsoft Dynamics 365 Enterprise Operations environment, providing tight control and increased insight into revision updates that take place during planning and production.
Release Management	Import items, BOMs, and revisions into Microsoft Dynamics 365 Enterprise Operations to trigger a managed process, which ensures that required logistical data is added before items are released in Microsoft Dynamics 365 Enterprise Operations.
Adaptable, Flexible Environments	Take advantage of flexible To-Increase PLM integration within Microsoft Dynamics 365 Enterprise Operations environments. The integration allows for custom attributes to be mapped to fields in Microsoft Dynamics 365 Enterprise Operations.
Impact analysis	Analyze the impact of engineering changes on any logistical entity (for example production orders, purchase orders, on hand stock) and control these changes from within the engineering change process.
Engineering Change Notifications	Extend Engineering Change Notifications in PTC Windchill with the concept of Engineering Change Orders in Microsoft Dynamic 365 Enterprise Operations. This gives you a workflow controlled change management process that includes the operational implementation of the engineering change.