

# Siemens PLM Integration

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

Manufacturers are facing extreme pressure to deliver high-quality products in a short time and within budget. In many cases, project deadlines require overlapping design and engineering cycles. If teams aren't working in a connected environment, complexity and risk increase. Managing drawings and bill of materials (BOM) revisions becomes a complex, error-prone struggle, leading to long delays and costly rework.

There is a solution. Today's integrations between project 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 Siemens Teamcenter 8 and Microsoft Dynamics 365 Enterprise Operations is built on this new model.

Designed with a strong focus on concurrent engineering, the To-Increase PLM integration extends the release process into the Microsoft Dynamics 365 Enterprise Operations environment. Teams no longer need to work within a restrictive, bottom-up strategy when creating a complex BOM—which in turn enables relevant collaboration across departments. Design and engineering teams 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 a two-step change management process for the BOM. By decoupling item revisions from project and production revisions, projects can utilize new and older revisions simultaneously.
- **Provide one view of operational information.** After releasing an item to Microsoft Dynamics 365 Enterprise Operations, operational information is added to complete the item release, giving the engineering department easy, accurate insight into operations.
- **Accelerate production by eliminating the bottom-up strategy.** Start anywhere in the engineering process. For example, begin assembly at high levels while low levels are still being developed.

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For more information about Siemens PLM Integration for Microsoft Dynamics 365 Enterprise Operations, visit [www.to-increase.com](http://www.to-increase.com) 

## Features

<b>Impact Analysis</b>	Analyze the impact of engineering changes on any logistical entity (such as production orders, purchase orders, and on-hand stock) and incorporate this information in the engineering change process.
<b>Collaborative Environment</b>	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.
<b>Revision Management</b>	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.
<b>Release Management</b>	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.
<b>Adaptable, Flexible Environments</b>	Take advantage of flexible To-Increase PLM integration within Microsoft Dynamics 365 Enterprise Operations environments. The integration supports mapping of custom attributes to fields in Microsoft Dynamics 365 Enterprise Operations.