

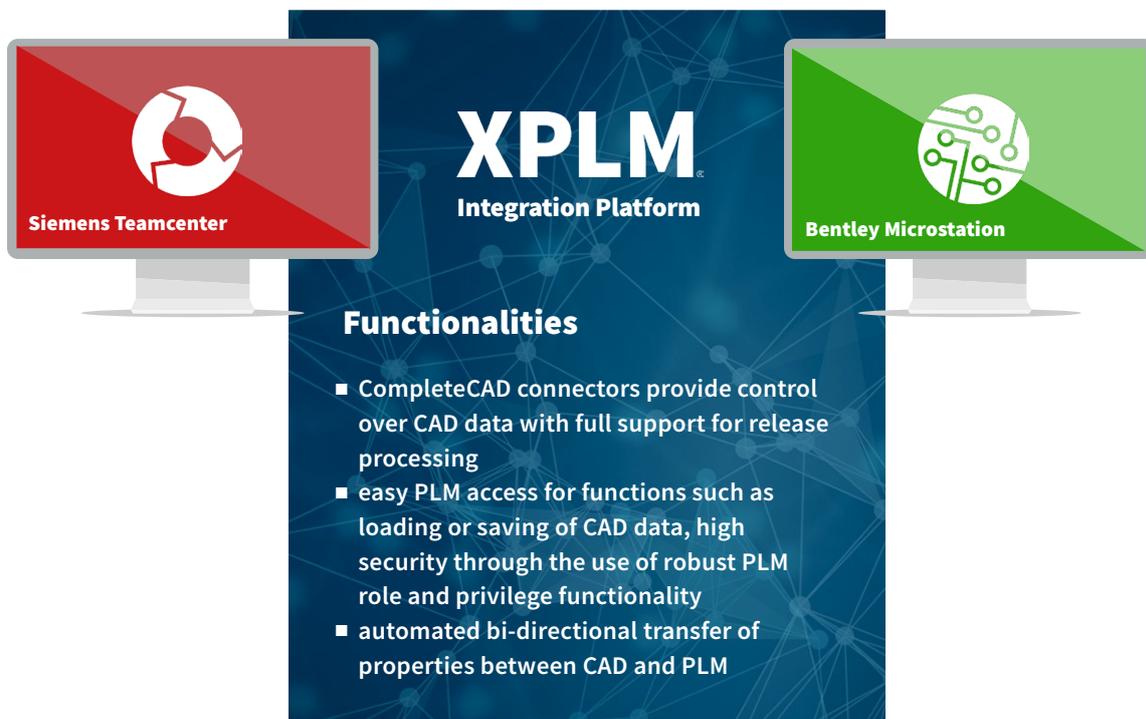


## Bentley MicroStation for Siemens Teamcenter

### The efficient connection between ECAD and PLM-Systems

Integrate Collaboration of distributed and global design and engineering teams across enterprises and continents has never been more important than now. A good integration between PLM and CAD is a prerequisite to support efficient engineering processes and to an enhanced collaboration capability across the organization, enabling increased design innovation.

XPLM's Integration Platform connects Bentley Microstation with Siemens Teamcenter, in order to support the complete, interdisciplinary management of product data in one system.



## FUNCTIONS AND KEY BENEFITS

- **Concurrent Engineering:** The connector is designed to enable multiple designers to work on different parts of the same CAD assembly at the same time. Teamcenter Standard capabilities for checkout are used.
- **Workspace Management:** The connector supports Management of the MicroStation project environment. User Configuration, Project Configuration and virtual paths within the projects are managed together with the related files. On Load and Save the Workspace Information is checked and synchronized with the MicroStation environment.
- **Saving to PLM/ERP creates a CAD Document Structure to manage all referenced CAD files (MicroStation Drawing Files, referenced DWG, Referenced other formats, MicroStation 3D references, etc.) supporting CAD work-in-progress design, and making data available to the rest of the organization, as privileges permit. PLM/ERP numbering servers are used for managed files, with optional renaming of CAD files. Viewable PDF files can be automatically created and attached in PLM along with the native file.**
- **Loading from PLM/ERP:** Load is initiated from the Load Dialog embedded directly in MicroStation CAD. Configurable Stored Queries are used in background to match and select data in PLM. Revision Rules are selected in the embedded Load Dialog and apply to the Structure Resolution, which supports loading of older versions and updating referenced documents to new versions. Multiple structure resolutions are supported like “Latest Working”, “As Saved” and all other resolution options configured in PLM. Loaded files can be referenced into the current MicroStation file, opened in their own window, or simply transferred to the local workspace.
- **Update of Properties:** Metadata and classification properties are exchanged and updated bi-directionally. This enables, for example, the title blocks in drawings to be automatically populated. The bi-directional mapping between CAD properties and PLM values is set up using the graphical Mapping Editor, which is common between all XPLM Connectors.
- **BOM Publishing is used to create Product Structures in PLM based on a CAD Design. The PLM Product Structure is created based on the CAD structure transferring quantities and component transformation information.**
- **Creation of Neutral Formats is supported by the Integration. The Integration can be embedded into PLM Batch Services to create JT Formats for Viewing and Multi CAD Collaboration purposes in PLM. The export functionality is flexible depending on the MicroStation capabilities. Other exchange formats like DWG and PDF are supported.**



As a Siemens PLM certified partner, XPLM offers the next generation of CAD connectors to fulfill these requirements by seamlessly integrating Siemens' Teamcenter with MicroStation. Based on the XPLM Integration Platform, the MicroStation connector offers CAD users an effective and powerful integration with Siemens Teamcenter PLM. Data and structures of both CAD and PLM are integrated, providing the ability for bidirectional exchange of CAD files and metadata.

XPLM offers cross-domain integration solutions for PLM, MCAD, ECAD, SysML, ERP, Office, Requirements Management and ALM/ software tools. For more information please contact [marketing@xplm.com](mailto:marketing@xplm.com).

### ABOUT XPLM

XPLM is a globally operating PLM solution provider specializing in integrating applications, processes, data and information for optimum cross-domain collaboration between engineers. With its unique portfolio, XPLM integrates leading PLM, MCAD, ECAD, SysML, ERP, Office, Requirements Management and ALM/software tools.

For more information, visit [www.xplm.com](http://www.xplm.com).

### HEADQUARTERS

XPLM Solution GmbH  
Altmarkt-Galerie Dresden,  
Altmarkt 25  
01067 Dresden, Germany  
Office: +49 351 82658-0

Mail: [marketing@xplm.com](mailto:marketing@xplm.com)

### OFFICE USA

XPLM Solution Inc.  
1900 West Park Drive, Suite 280D  
Westborough, MA 01581 USA  
Office: +1 508 753-7500