



# XPLM Integration Platform – the efficient connection between MCAD and PLM-Systems

Optimize your development process with the centralized creation and management of BOMs and product-related design data.

## THE CHALLENGES

The needs for consistent information flows and processes, and to be able to launch innovative and high-quality products, are just some of the challenges companies face when trying to manage the efficient collaboration of design teams across various locations.

Coupled with the new challenges created for businesses by „digital transformation“ and the prevalence of Industry 4.0 and IoT, firms are increasingly searching for a solution to facilitate cross-disciplinary cooperation in their production of complex products.

## THE SOLUTION

The XPLM Integration Platform provides efficient and robust PLM integrations for market-leading MCAD applications. The solution is a prerequisite for supporting efficient engineering processes and enhances the collaborative performance across your organization.

While increasing the opportunity for design innovations, data structures in both MCAD and PLM are integrated. The ability of bidirectional exchange of CAD documents, Bill of Materials, parts, classification and item status is ensured. Early review and collaboration on parts, sub-system and overall product design enables design optimization from every perspective.

The XPLM Integration Platform is fully customizable, easing the challenges of installation and reducing the total cost of ownership and maintenance costs.



MAIN FUNCTIONS

XPLM Integration Platform manages MCAD documents and files, Material Master and Bill of Materials as well as Change and Release handling by using standardized functionalities:

- Document and File Management
- Management of Complex MCAD Structures
- Support of all relevant MCAD objects
- Create and Update of Material Master and BOM
- Workflow and Release Management
- Check-in and Check-out from MCAD
- Automatic Rename to Unique File Names
- Take and Release Ownership
- Management of Multiple Revisions
- Save Preview Before Final Saving
- Search and Load from MCAD or PLM
- Bidirectional Exchange of Properties
- Update PLM-Attributes from MCAD
- File Conversion (e.g. Viewables)

AVAILABLE INTEGRATIONS

MCAD	
AutoCAD	ME10
Catia V5 / V6	Bentley Microstation
Creo Direct Modeling	Onshape
Creo Parametric	Autodesk Revit
Ideas	Solid Edge
Inventor	Siemens NX
Medusa	SOLIDWORKS

AVAILABLE PLM SYSTEMS



KEY BENEFITS

- Interact with the PLM system directly from your MCAD application
- Avoid redundancies by using only one source system
- Save time and eliminate sources of error through automated data exchange processes
- Use standardized XPLM Integration Platform functions and add customer-specific processes at any time
- Benefit from easy extensibility in data and processes
- Achieve complete traceability through your product development process with the XPLM Integration Platform more quickly
- Avoid manual processes

ABOUT XPLM

XPLM is an independent PLM service provider and system integrator. XPLM develops integration solutions between leading PLM, MCAD, ECAD, SysML, ERP, Office, Requirements Management and ALM / Software tools for an efficient, repeatable and error-free product development process.

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.  
 255 Park Avenue, Suite 703  
 Worcester, MA 01609 USA

Office: +1 508 753-7500