

# PDMWorks® Enterprise Integration for SAP®

## J2xPLM® INTEGRATION PLATFORM

xPLM Solution's J2xPLM Integration Platform, a SAP certified solution, provides the leading PDMWorks Enterprise integration with flexible deployment options to support your engineering best practices! xPLM Solution's expertise in CAD and PLM integrations provides SolidWorks and SAP customers a robust, flexible, and configurable integration.

xPLM provides an effective and intuitive integration between PDMWorks Enterprise and SAP

SolidWorks parts, Bills of Materials and related documents can easily be uploaded to SAP ERP.

Within your SAP ERP system, uploaded items are automatically created such as material masters, BOMs and associated (linked) documents.

A good integration between product lifecycle management (PLM) systems and CAX applications is a prerequisite to support effective and efficient engineering processes and drive increased innovation. This has never been more important and needed than now as distributed and global design and engineering teams must collaborate across enterprises and supply chains. Access to the right design data and related manufacturing and supply chain data must be readily yet securely accessible in context. No longer can designers and engineers work separate and apart from the rest of the enterprise.

xPLM Solution has leveraged their 20 years experience in building effective CAD, Product Lifecycle Management (PLM), Digital Mock Up (DMU), MS-Office and ERP integrations to offer a next generation of Service-Oriented CAX and PDM integrations, based on their J2xPLM Integration Platform, for PDMWorks Enterprise and SAP ERP.

### PDMWorks Enterprise Integration for SAP

The PDMWorks Enterprise integration for SAP, developed by xPLM Solution, offers SolidWorks users an effective and intuitive integration with their SAP ERP system. Data and structures of both PDMWorks Enterprise and SAP ERP are integrated providing the ability for bi-directional exchange of documents, CAD files, BOMs, parts (material masters), classification, item status and more. PDMWorks Enterprise users do not need to access SAP ERP interfaces, but can perform all integration activities using the PDMWorks Enterprise menus and forms, this increases user adoption and satisfaction. Robust customization capabilities are provided outside the SAP environment yielding lower support and maintenance costs.

### PDMWorks Enterprise Integration Features

#### User Interface Integration in PDMWorks Enterprise

- Toolbar, System Menu, Context Menu, Forms (e.g., File Card)

#### Workflow Integration (Triggered by any PDMWE event)

- Status Transition, Checkin/out, and Other Customer Defined Events

#### Integration Functionality – Documents Update

- Bidirectional Exchange of Metadata and Classification
- Document Structures
- Document Status Network (Release Levels)
- File Checkin/out (Including Conversion to Neutral File Format)
- Integration of MS-Office and PDF documents

#### Integration Functionality – BOM/ Material/Items Update

- Bidirectional Exchange of Metadata and Classification
- Support for PDMWE/SolidWorks Configurations
- Linking to Documents
- Production and Order BOM Support

#### Customization Capabilities

- COM Automation Support (VBA Script)
- XML Engine

## J2xPLM Integration Platform Features

Deep Integration with SAP PLM Objects and Object Structures:

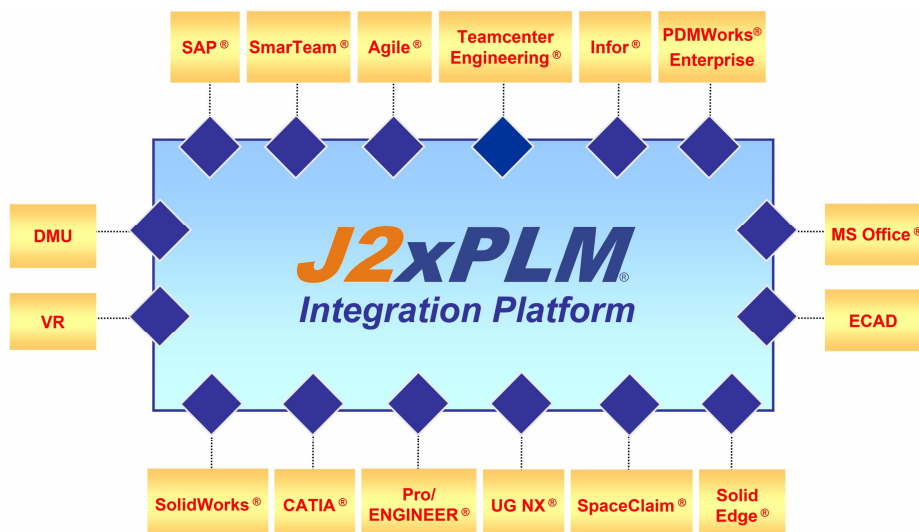
- SAP Document and File Management, Material Master and BOM, Classification, Change and Release Management, and SAP User Interface Integration

Additional Benefits:

- Dialogs and features can be enhanced and configured specifically for users
- J2xPLM Integration Platform can access multiple PLM and SAP sites in parallel
- Batch processor enables file conversions and bulk transfer operations
- Script-Based Process Definition Language

## System Requirements

J2xPLM:	V 1.0 or later
SAP:	SAP 4.x or later
PDMWorks:	Enterprise 2007 & 2008
SolidWorks:	SolidWorks 2007 & 2008



xPLM Solution's J2xPLM Integration Platform provides the next-generation of Service-Oriented CAx and PDM integrations. The J2xPLM Integration Platform supports integration with many PDM/PLM systems, CAD systems, ERP systems, Visualization systems, ECAD systems and MS-Office.



The J2xPLM Integration Platform v1 is ready for SAP NetWeaver. This gives you the option to take advantage of the latest service-oriented technologies and business platform offered by SAP.



xPLM Solution is an official SAP Software Partner providing superior CAD and PLM integration solutions for SAP systems.

## About xPLM Solution

xPLM Solution with headquarters in Dresden develops integration solutions between industry leading CAD, PLM and ERP systems and provides deployment and support services to the PLM industry. xPLM Solution brings with them about 300 years of accumulated professional experience in the PLM market. For more than 20 years, the team has been at the forefront of developing and deploying robust, flexible, configurable and cost efficient CAD and PLM integrations. The J2xPLM Integration Platform takes advantage of the latest service-oriented technologies.

## Solutions and Deployment Services

- CAD Integrations for PLM and ERP
- PLM Management Consulting
- PLM Deployment Services
- PLM Training and Documentation
- Client Project Support Services



xPLM Solution is a SolidWorks Certified Service Partner, providing highly qualified implementation experts with focused CAD/PLM skills and experience to ensure success. This is the highest level of accreditation a service partner can achieve in cooperation with SolidWorks.

**xPLM**  
Solution

*Experience in Product Lifecycle Management*

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