

# SolidWorks® Enterprise PDM Integration for SAP®

## J2xPLM® INTEGRATION PLATFORM

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

Assembly Info		Comments	
Assy Number:	DS-ASM-987654	Revision:	
Description:	Dual Speaker (Mountable)		
Doc Number:		Weight:	
Created By:	Admin	Date:	2007-09-26
Vendor:		Cost:	\$15.93
Project Name:			
Project Number:			
SAP Documentnumber	000000000000010000000979		
SAP Documenttype	DRW		
SAP Documentpart	000		
SAP Documentversion	00		
SAP Material	00000000000002202		

xPLM provides an effective and intuitive integration between SolidWorks Enterprise PDM and SAP

File	Status	Document
DIN 625 - 6306 - 10.DE.NC.10_68.sldprt	✓ successful	000000000000
Gehaeuse.SLDPRT	✓ successful	000000000000
ISO 4018 - M8 x 25-NN.SLDPRT	✓ successful	000000000000
ISO 4018 - M8 x 30-NN.SLDPRT	✓ successful	000000000000
Kurbetrieb.SLDASM	✓ successful	000000000000
deckel.SLDPRT	✓ successful	000000000000
zylinderkopf.SLDPRT	✓ successful	000000000000
KobelnBG.SLDASM	✓ successful	000000000000
Kurbelwelle.SLDPRT	✓ successful	000000000000
PleuelBG.SLDASM	✓ successful	000000000000
Circle DIN 472 - 20 x 1.sldprt	✓ successful	000000000000
Koblen.sldprt	✓ successful	000000000000
bolzen.SLDPRT	✓ successful	000000000000
DIN 912 M8 x 20 - 20N.SLDPRT	✓ successful	000000000000
Parallel Pin ISO 8734 - 3 x 26 - A - St.sldprt	✓ successful	000000000000
Schale.SLDPRT	✓ successful	000000000000

C:\My\Vault\aaaaa\Demo\Kompressor.SLDASM

Cancel

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

Product Structure	Short Text
DRW 10000009549 000 00	NeuKompressor.SLDASM
Bill of Material	
DRW 10000009549 000 00	NeuKompressor.SLDASM
Items	
0010 D DRW 10000000 zylinderkopf.SLDPRT	
0020 D DRW 10000000 deckel.SLDPRT	
0030 D DRW 10000000 Kurbetrieb.SLDASM	
0040 D DRW 10000000 ISO 4018 - M8 x 30-NN.SLDPRT	
0050 D DRW 10000000 ISO 4018 - M8 x 25-NN.SLDPRT	
0060 D DRW 10000000 Gehaeuse.SLDPRT	
0070 D DRW 10000000 DIN 625 - 6306 - 10.DE.NC.10_68.s	
Document	

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 SolidWorks Enterprise PDM and SAP ERP.

### SolidWorks Enterprise PDM Integration for SAP

The SolidWorks Enterprise PDM 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 SolidWorks Enterprise PDM 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. SolidWorks Enterprise PDM users do not need to access SAP ERP interfaces, but can perform all integration activities using the SolidWorks Enterprise PDM menus and forms, this increases user adoption and satisfaction. Robust customization capabilities are provided outside the SAP environment yielding lower support and maintenance costs.

### SolidWorks Enterprise PDM Integration Features

#### User Interface Integration in SolidWorks Enterprise PDM

- 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
Enterprise PDM:	2009 or later
SolidWorks:	2007 or later



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 v2 is a SAP certified solution.

**SAP® Certified**  
Powered by SAP NetWeaver®

## 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

*Experience in Product Lifecycle Management*



xPLM Solution is a SolidWorks Solution and a 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.

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