

CIDEON V6 xPDM - SAP Interface

V6-SAP synchronization server for Data- and process synchronization between V6 and SAP



■ Data and process synchronization between V6 (ENOVIA, CATIA) & SAP

Along with a complete CAD model administration, the V6 system also offers PLM functionalities.

In most companies a PLM solution like this has to be integrated into a more or less complex IT infrastructure since many production and planning processes are performed outside of the V6 Systems, for example in SAP.

To be able to maximize their productivity, both V6 as well as SAP PLM require information from the other system

The bidirectional coupling of such systems is a complex task. The data must be synchronized as soon and securely as possible. To prevent high costs caused by faulty, incomplete or lost data the synchronization has to be reliable and in time.

CIDEON has developed the CIDEON V6 xPDM - SAP Interfaces. This software is designed to provide a highly stable and reliable coupling of V6 and SAP.



Fig.: CIDEON V6 xPDM – SAP Interface for data- and process-synchronization between V6 (ENOVIA®, CATIA®, ...) and SAP

■ Compatible with SAP CAD Desktop applications and with SAP PLM 7.x

The CIDEON V6 xPDM - SAP Interface takes care that Objects (e.g. documents, materials, BOMs, metadata, etc.), defined by filters and mapping, are synchronized with SAP and keep it up to date.

The known functionalities, especially latest functions from SAP PLM7.x, can be used furthermore with objects, that are synchronized out of V6.

Desktop functions such as creating object and material links or creating derived Bills of Material (BOMs) using SAP's change management (EC) can be used as before.

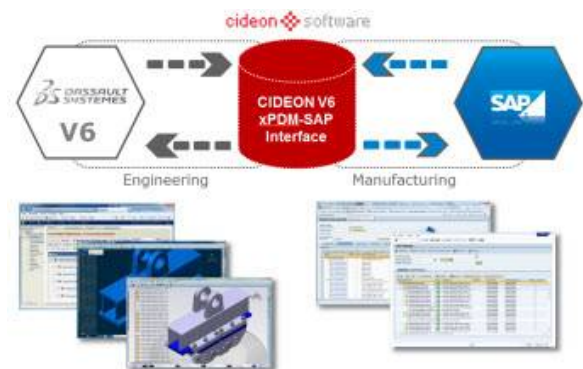


Fig.: Function principle of CIDEON V6 xPDM – SAP Interface

The latest functionalities, such as the guided structure synchronization (GSS) in SAP can be carried out using the synchronized data structures of V6.

Whether they are controlled automatically or manually, Engineering- or Manufacturing BOMs can always be generated.

These BOMs can be used for all of the following downstream SAP processes.

Guarantee of the full performance of V6 and SAP systems

With the use of CATIA and ENOVIA V6 in the Product Lifecycle Management a complex situation in connection with the linkage with SAP arises.

The entire process is often distributed across both systems, which also means that necessary information on both sides from the other system are available in order to achieve the full performance.

The V6 xPDM-SAP interface ensures that all relevant information will be translated and transported fully automated from the V6 system to SAP and vice versa.

■ Overview of the functions of CIDEON V6 xPDM - SAP Interfaces



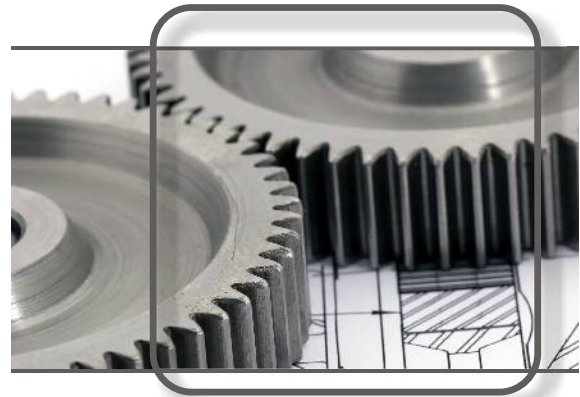
Benefits for company

- Optimum adaptation to the corporate process
- Easy handling of complex product information
- Speeding process through timely, company-wide data
- Reducing the diversity of data and ensuring consistent product data
- Cost reduction through quick response in changes
- Avoid gaps in information and communication errors
- Relieving employees of routine tasks



Benefits

- Completely automatic synchronization of data and processes between ENOVIA V6 and SAP
- Mapping of the V6 data in SAP, mapping of the SAP data in V6
- No interaction for synchronisation need
- All necessary information for planning, design, production, maintenance and administration, are available in the SAP system
- Avoid double data input and ensure integrated release processes between ENOVIA V6 and SAP
- Highly flexible and extendable mapping for synchronizing both systems
- Filter mechanisms for filtering objects and data for which a synchronization is not required
- Automatic generation of "up to date" viewing files for drawings and models for SAP
- Support of searches in SAP by 2D and 3D preview pictures, usage lists, full-text search,...
- Flexible configuration and options for language support
- User-friendly and very easy handling of the integration



Features

- Asynchronous and bidirectional data transfer of
 - CAD meta data, single parts, assemblies, drawings, CATIA V6
 - structure data, BOMs, space locations
 - Engineering Central Objects (Part, eBOM) with SAP objects (incl. material master records and BOMs)
- Bidirectional data exchange between V6 objects and SAP materials, documents, BOMs, description and classification data
- Event-controlled, status- and parameter dependent transfer
- Generation of 2D and 3D graphic formats, e.g. 2D preview pictures, 2D drawing formats and 3D neutral formats (3dxml, STEP,...) for SAP by using CIDEONs Conversion Engine
- Automatic recovery after system downtimes
- Scalability, excellent performance also with large amounts of data
- Logging of all transfer activities
- Tools for process controlling and administration

■ Additional solutions from CIDEON

SAP PLM Integration for AutoCAD, Inventor, MicroStation, Solid Edge and SolidWorks

CIDEON Output Management for SAP

Providing of manufacturing-, purchasing-, maintenance documents and drawings from SAP

CIDEON CAD Collaboration Suite for SAP

Im- and Export of CAD data from and to SAP

CIDEON CAD Release Migrator for SAP PLM

Recalculation of the CAD data set when changing the CAD Releases

CIDEON Conversion Engine for SAP PLM

Creation of neutral-, web and exchange formats from CAD and Office files with flexible stamping



Versions and Systems Requirements

- The supported versions and system requirements are available on www.cideon-software.com

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