

CIDEON

engineering digitized.

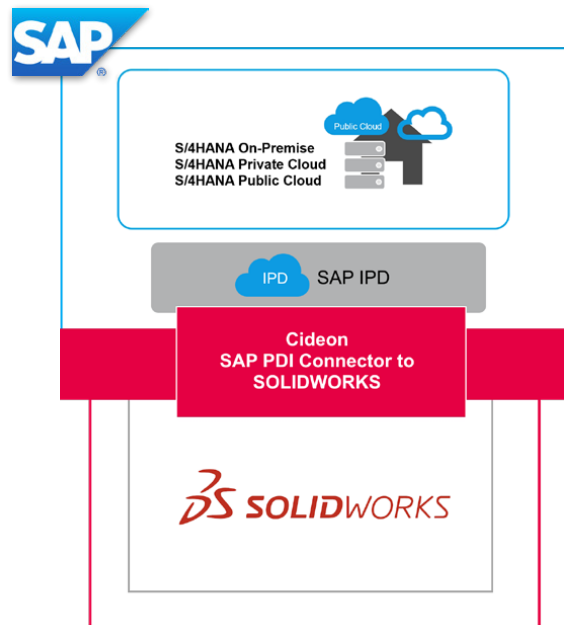
Cideon – engineering digitized.

Cideon SAP PDI Connector to SOLIDWORKS

Innovative SAP PLM Solutions: Seamless integration of CAD Systems in the SAP Cloud

SAP's new solutions provide a comprehensive platform for managing consistent product data across all engineering disciplines. SAP Product Data Integration (PDI) technology makes it possible to integrate product information from multiple sources directly into SAP S/4HANA – whether in the public cloud, private cloud, or on-premise.

Cideon specializes in the integration of CAD systems into this SAP environment and develops SAP PDI connectors for this purpose, such as the **Cideon SAP PDI Connector to SOLIDWORKS**. It transfers SOLIDWORKS product structures and links relevant data with SAP objects, making them available for downstream SAP logistics processes.



Cideon helps you drive your digital transformation by efficiently integrating these solutions into your processes.

PROCESS CONSULTING

ENGINEERING SOFTWARE

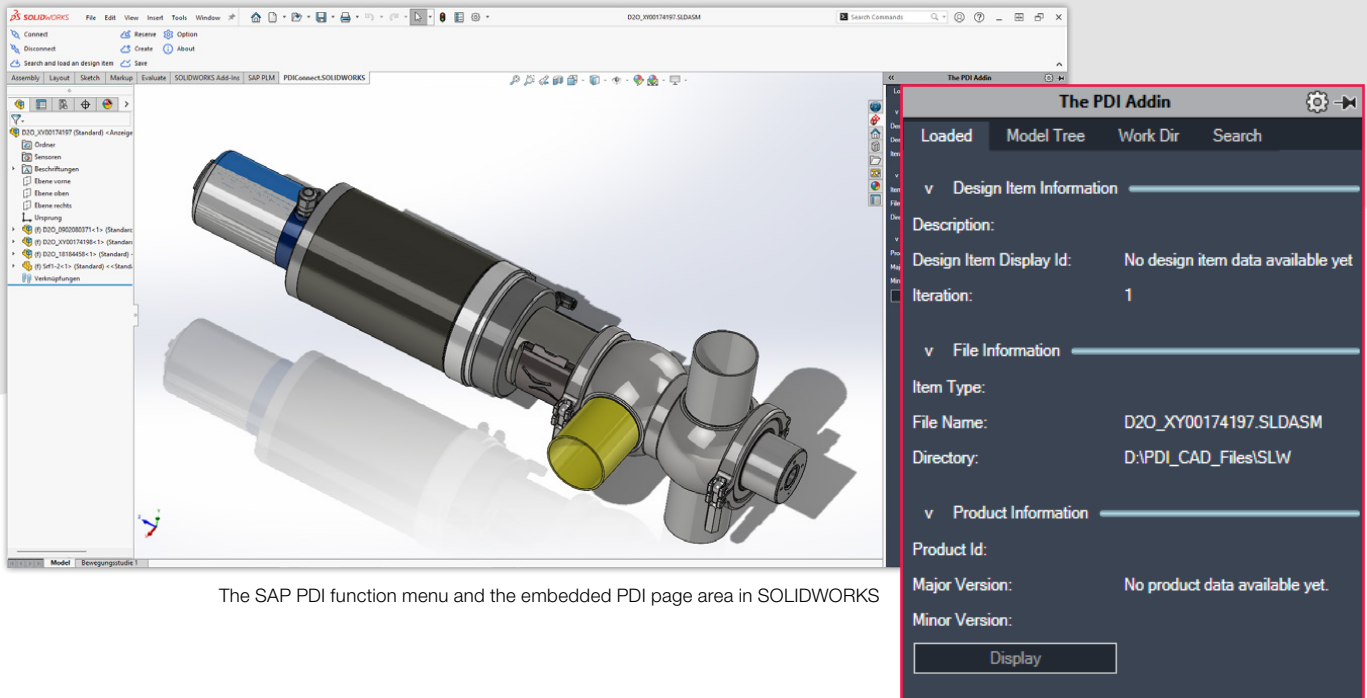
IMPLEMENTATION

GLOBAL SUPPORT

FRIEDHELM LOH GROUP



User Interface and Features



Intuitive Integration for SOLIDWORKS Users

The intuitive user interface of the Cideon PDI Connector to SOLIDWORKS provides design engineers with an optimal working environment that has been designed by engineers for engineers. SOLIDWORKS users can continue to work in their familiar environment and edit or view original files directly from SAP via the integrated SAP PDI ribbon menu. Easy file management and the transfer of product structures to SAP ensures consistent data structures for everyone involved in the design process, greatly increasing efficiency.

Functions

- Direct connection with SAP Integrated Product Development (IPD)
- Check-In/Check-Out of entire SOLIDWORKS assemblies
- Create and version SAP IPD design items
- Search for SOLIDWORKS files and load into CAD
- Create SAP IPD products
- Derive of the SOLIDWORKS assembly structure into the SAP IPD product structure
- Display design items and product data for selected SOLIDWORKS elements

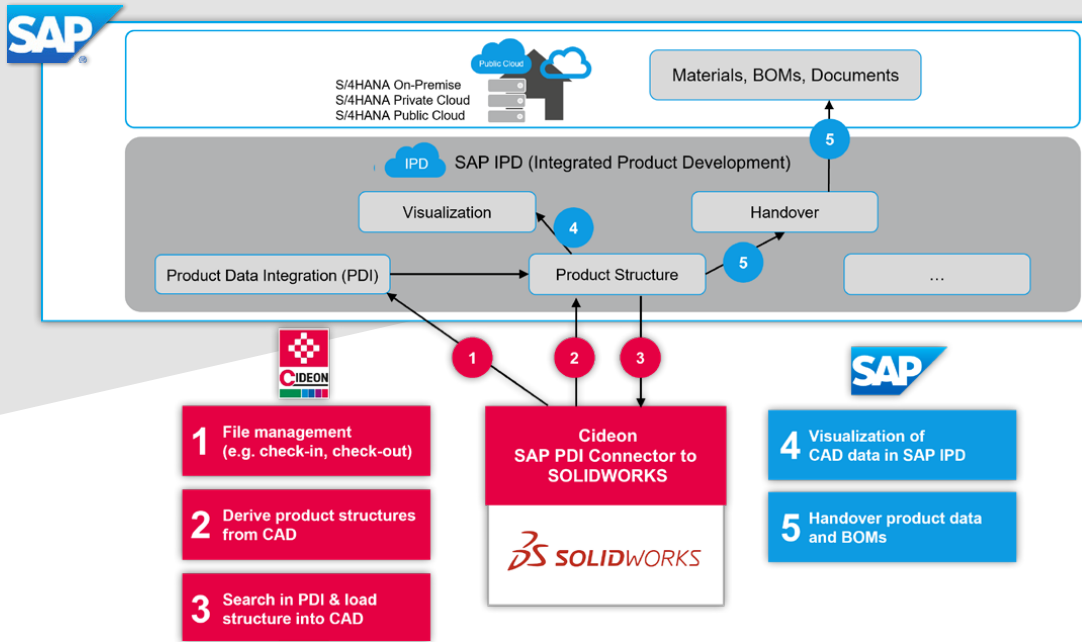


Highlights

- Reduce effort by eliminating redundant entries
- All users have the relevant information available in the system
- Ensure data quality and timeliness
- Secure processes – within and across departments
- Direct and secure connection from the CAD system to SAP
- Secure file management (check-in/out)
- CAD collaboration with external vendors
- Management of SOLIDWORKS configurations
- Mapping of SOLIDWORKS file properties to SAP metadata
- Automatic generation of previews



Interaction of the Integration with SAP



Connect SOLIDWORKS to Business Processes

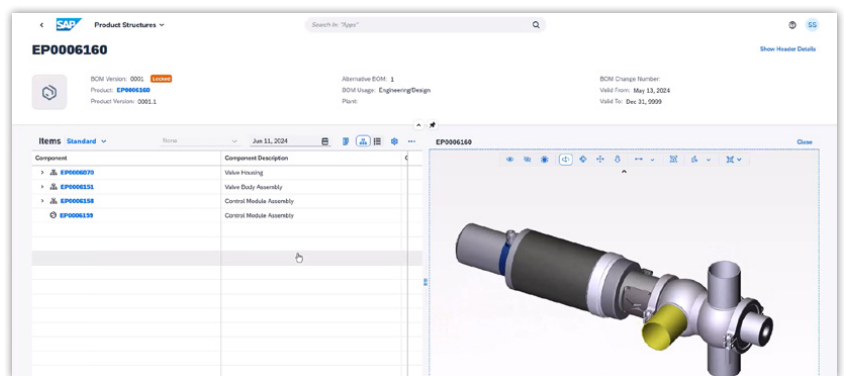
SAP IPD in the cloud, built on the SAP Business Technology Platform (BTP), delivers SaaS applications that streamline product development and improve workflows.

The Cideon PDI Connector to SOLIDWORKS uses the **Product Data Integration** and **Product Structure** applications to efficiently manage SOLIDWORKS data in SAP. Features such as Design Item Iteration make it easy to track design items.

Seamless integration into other SAP IPD applications ensures consistent and efficient data processing: **Visualization** enables a 3D digital mockup using the SAP Viewer integrated directly into the product structure.

With **Intelligent Handover**, product structures can be transferred from SOLIDWORKS to SAP cloud or SAP on-premise systems in the form of SAP Documents, Materials, and Bill of Materials.

The integration between SAP IPD and SAP ERP enables efficient production planning, reduces errors, and accelerates time-to-market, significantly increasing overall productivity and data consistency.



An SOLIDWORKS assembly as SAP Product Structure and its visualization

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