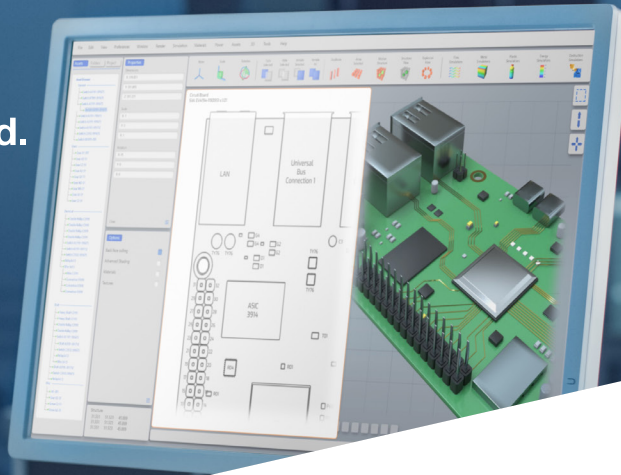# CIDEON

engineering digitized.

CIDEON – engineering digitized.

CIDEON Vault Professional Integration to SAP PLM

PDM/PLM integration – Made Easy

In today's most successful companies, product development involves all departments (engineering, marketing, sales, etc.) and external partners. PDM (Product data management) is therefore required to support specific company workflows.

The basis for smooth cooperation between different departments is integration in enterprise resource planning (ERP) systems, e.g. for prototype construction or working with purchasing. Data from PDM and ERP systems can then be used for costing and calculation purposes.

Engineers work in their familiar working environment and can concentrate on their daily engineering tasks. The CIDEON Vault Professional Integration to SAP supports them optimally and relevant data and information for other areas and processes in the company are made available without further effort – always up-to-date and always valid.

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Highlights

Our solution provides the basis for intelligently sharing development-related documents, material master data and BOM information between Autodesk® Vault® Professional and SAP ERP/PLM:

- Identical parts or material numbers and designations
- Permanent access to up-to-date drawings, models and preview images
- Overarching system for approvals/releases in product development
- Execution of SAP functions directly from Vault's main or context menus
- Practical, configurable toolbox for easy application
- Live/job processor for SAP object generation and SAP Object linking
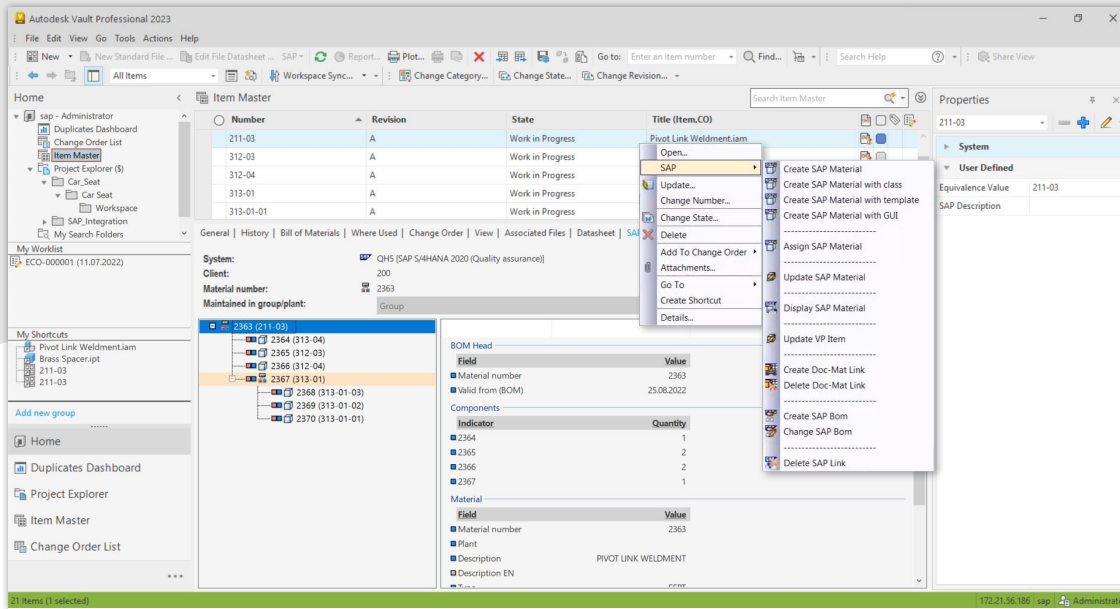- SAP data also also in offline mode

V AUTODESK Vault Professional

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CIDEON Vault Professional Integration to SAP PLM

Benefits to Bring More Success

SAP Material Master and BOM information in Vault Professional and the SAP menu

Autodesk Software Solutions for Digital Product Development

Autodesk Inc. is one of the world's leading providers of design software for bringing ideas to life prior to production. Autodesk revolutionizes and optimizes process and mechanical engineering by using powerful technology to create digital prototypes. Autodesk Vault Professional is the most comprehensive of PDM products in the Autodesk Vault series.

Product Lifecycle Management is Part of SAP ERP

SAP Product Lifecycle Management (SAP PLM) is part of SAP ERP and functions throughout the entire company and over the complete lifecycle of a product. It does so by providing consistent and standardized product information from the perspective of business management software.

Consultancy you can Trust

In addition to CIDEON's comprehensive software expertise in CAD and engineering environments, the company also offers an extensive portfolio of consultancy and best-practice services to achieve success in Vault Professional - SAP Integration:

- Analysis and definition of processes for bidirectional data exchange
- Implementation of standards and use cases for specific projects
- Other products and CIDEON SAP Add-Ons
- CIDEON Toolbox for Autodesk Vault

SAP Platinum Partner

AUTODESK Platinum Partner

PROCESS CONSULTING   ENGINEERING SOFTWARE   IMPLEMENTATION   GLOBAL SUPPORT

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CIDEON Vault Professional Integration to SAP PLM

Functional Overview

SAP Document Management System (DMS)

- Multilingual creation and updating of SAP documents
- Creation of object links between SAP documents and material masters
- Document versioning
- Automatic generation and attachment of exchange/neutral formats
- Creation/updating of SAP documentation classification attributes
- SAP release/approval procedure supported directly from   Autodesk Vault Professional
- Customer-specific definition of workflows

Integration in SAP Engineering Change Management (ECM)

- Create/Update SAP Change Number
- Set objects for Change Order

Integration in SAP Material Management (MM)

- Options for multilingual creation of material masters with classification, templates, long texts
- Updating Autodesk Vault Professional data in SAP material data fields
- Factory-dependent materials system

Integration in SAP Bill of Materials (BOM) Management

- Cross-company creation of SAP BOM, single- and multi-level
- Amendment/updating Vault Professional data in SAP BOM data fields
- Displaying SAP BOMs
- Comparison of SAP with Vault BOMs

Technical Communication

Communication is based on BAPIs and Remote Function Call (RFC) included as standard in SAP. The user logs on to the SAP system once. User privileges are managed in Vault Professional.

Installing Integration

- MSI installation ("silent")
- One installation per user
- Quick deployment via test installation including two licenses

Versions and System Requirements

- SAP system 4.6C to ECC 6.0, SAP S/4HANA
- SAP GUI 7.50 and higher
- Vault Professional 2024, 2023, 2022
- Microsoft Windows 10 Professional, Enterprise (1803 or higher)

For event-triggered processes from SAP (e.g. automated object creation), the CIDEON synchronisation server is included as an additional module.

AUTODESK
Vault
CERTIFIED APP
2024

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