CIDEON – efficient engineering.

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. Product data management (PDM) 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.

CIDEON Vault Professional Integration to SAP PLM provides the basis for intelligently sharing development-related documents, material master data and BOM information between Autodesk® Vault Professional 2020 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/linking
- SAP data viewable also in offline mode
CIDEON Vault® Professional® Integration to SAP PLM

Benefits to bring more success

SAP material and bill of materials information in Autodesk® Vault® Professional

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 range.

Product lifecycle management is part of SAP ERP

SAP Product Lifecycle Management (SAP PLM) is part of SAP ERP and functions throughout the whole 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.
Overview of SAP Integration features

SAP Document Management System (SAP 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 Materials Management (SAP 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 Bills of Material (SAP BOM)
- 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
- Manipulation of Z-fields

Technical communications
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. SAP transports are required for licensing.

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, S/4HANA
- SAP GUI 7.50 and higher
- Vault Professional 2019, 2020, 2021
- Microsoft Windows 7 Professional, Enterprise (SP1)
- Microsoft Windows 10 Professional, Enterprise (1803 or higher)

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www.cideon.com