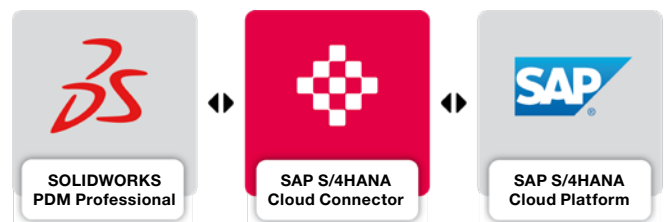# CIDEON

engineering digitized.

Cideon – engineering digitized.

Cideon SOLIDWORKS PDM Integration to SAP

SOLIDWORKS® PDM Professional® – optimally Integrated Into SAP S/4HANA Cloud

Today, Product Data Management (PDM) is no longer limited to the consistent management of CAD data within a company's internal design teams. With the availability of new technologies, the integration of PDM systems into cloud-based enterprise resource planning (ERP) systems is more important than ever. Only then the data controlled by the PDM system can be consistently used and managed within the ERP system.

SOLIDWORKS® PDM Professional® is a PDM system based on databases and is fully integrated in the Windows® Explorer. In addition to distinctive PDM functionality, it enables ERP system interfacing.

SOLIDWORKS PDM Professional ◀▶ SAP S/4HANA Cloud Connector ◀▶ SAP S/4HANA Cloud Platform

As a specialist for the connection of CAD and PDM systems with SAP, Cideon develops the integration of SOLIDWORKS PDM Professional with SAP S/4HANA Cloud as well as SAP S/4HANA OnPremise.

SAP Platinum Partner

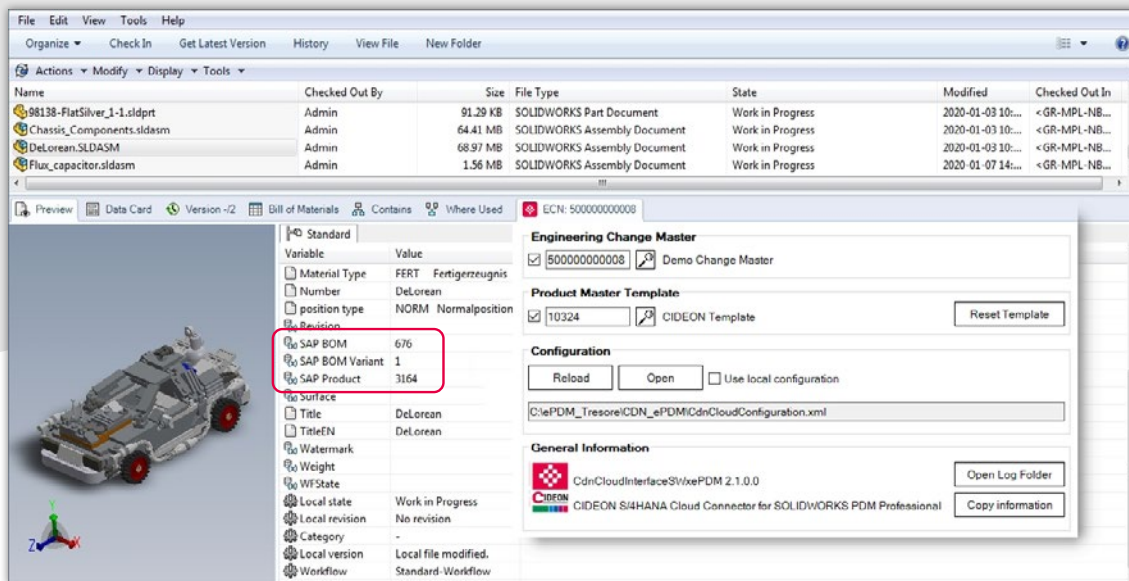PROCESS CONSULTING ▶ ENGINEERING SOFTWARE ▶ IMPLEMENTATION ▶ GLOBAL SUPPORT

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Overview of the Interface

Additional SAP information in the variables of an SOLIDWORKS assembly and the connector tab with controls and SAP information
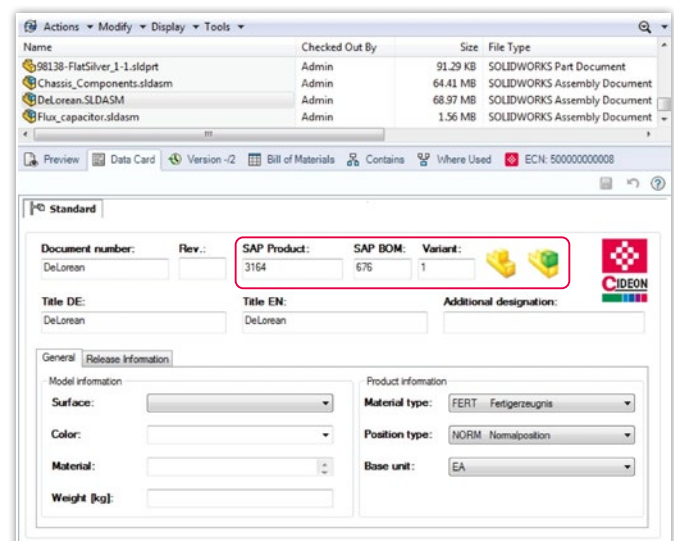
Aligned Data and Processes

With the Cideon SAP S/4HANA Cloud Connector, SAP products and SAP bill of materials can easily be created, displayed and separated from assemblies and parts that are managed in SOLIDWORKS PDM Professional. SAP functions can also be automatically executed by using SOLIDWORKS PDM workflow transitions.

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 your PLM Integration project:

- Implementation of the Cideon SOLIDWORKS PDM Integration to SAP
- Support with SAP EHP release upgrades or when switching to SAP S/4HANA
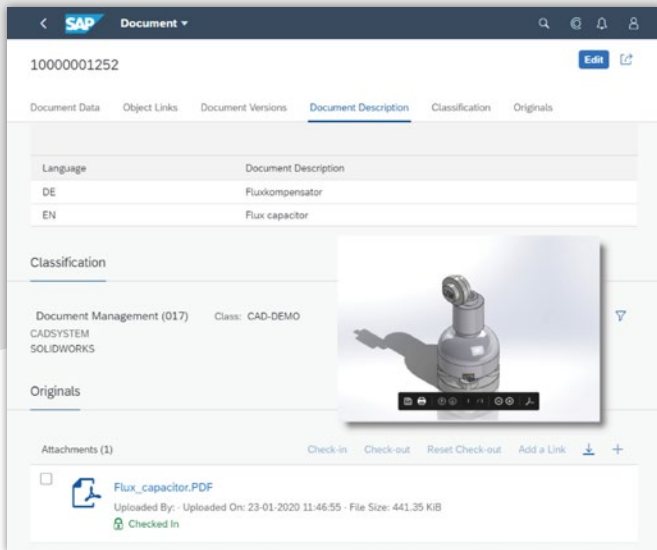- Other Cideon SAP PLM products and Add-ons

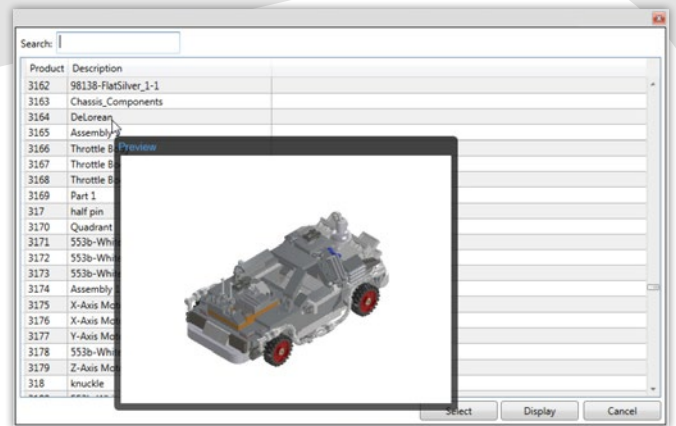Additional SAP information in the data card of an assembly

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Cideon SOLIDWORKS PDM Integration to SAP

Overview of the SAP Functions

View of an SAP Document with model preview and neutral format (PDF)

Search and linking an SAP Product with preview

The Cideon Integration Offers Additional SAP Functions via the Context Menu in the File:

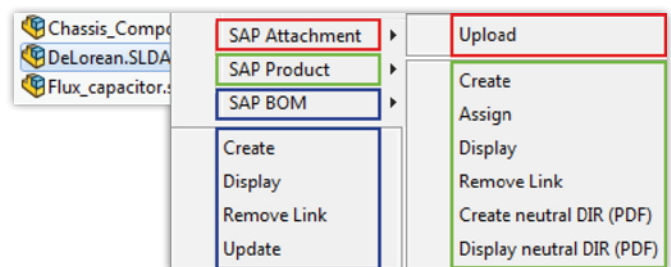### SAP Document Information Record (DIR)
- Creation of SAP DIRs for the storage of neutral exchange formats (PDF, PNG)
- Exchange formats can be loaded directly, as an archive or as a vault link to SAP
- The exchange formats can be generated on a conversion server, the upload of the generated files is then carried out automatically

SAP Product (Material Master)
- Creation for individual or multiple selected SOLIDWORKS assemblies and components
- Creation of thumbnails
- Direct display in the Internet browser
- Creation of links to existing SAP Products
- Disassociation of linked item(s)
- Use of a template material for creation including transfer of all data (e.g. Product Supply Planning, Storage Location Data...)
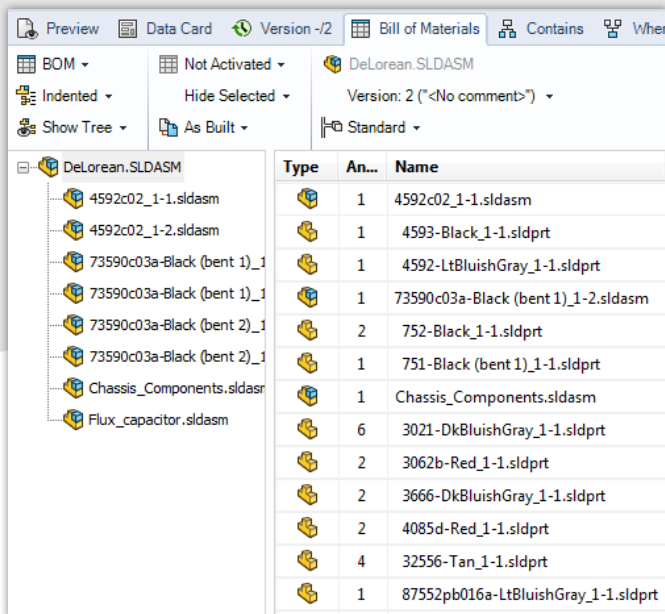
SAP Engineering Change Number (ECN)
- Use of the SAP ECN for SAP DIS, SAP Product and SAP BOM
- Find, activate and deactivate a change number

Additional functions in the context menu of an assembly

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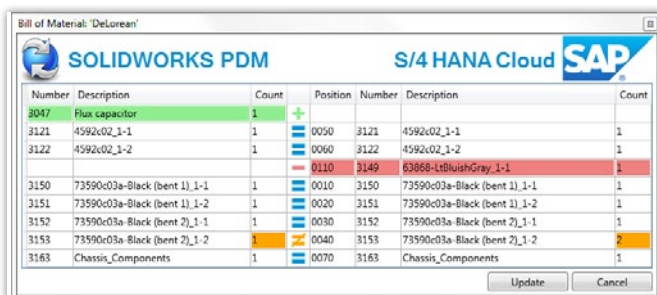Cideon SOLIDWORKS PDM Integration to SAP

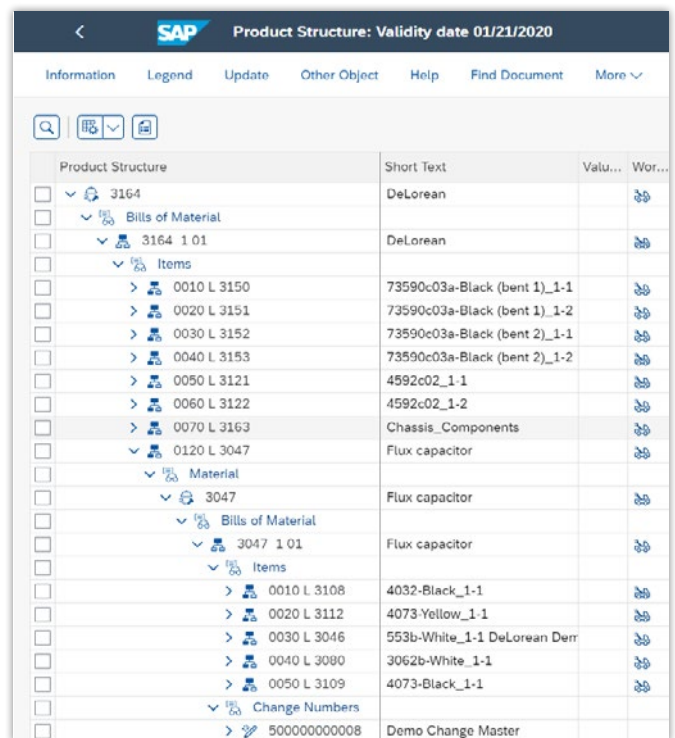# Overview of the SAP Functions

Assembly parts list
in SOLIDWORKS
PDM Professional

SAP Bill of Materials (BOM)

- Automatic creation and updates based on the (multilevel) SOLIDWORKS PDM Professional BOM structure
- Direct display in Internet browser
- Disassociation of linked item(s
- BOM update with compare dialog

BOM update dialog of the Cideon Connector

SAP BOM of the assembly

System Requirements

- SAP S/4HANA Cloud 1911 and higher
- SOLIDWORKS PDM Professional 2018 and higher
- SOLIDWORKS 2018 and higher
- MS Windows 10/11, MS Edge, Google Chrome
  (each current versions)
- Adobe® Acrobat Reader 9 and higher

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