

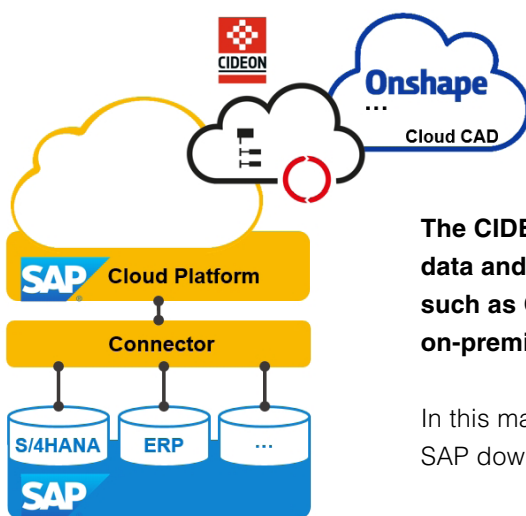
CIDEON – efficient engineering.

CIDEON CLOUD CAD Integration for SAP PLM



The concept of Software-as-a-Service (SaaS) continuously grows; CAD cloud-based subscription models become more and more a modern alternative to on-premises CAD software environments, to enable companies to focus on their core competencies. Any concerns about security issues today are addressed by the use of professional, high-security data centers with security standards that are usually much higher than corporate servers. However, all the concerns are outweighing the benefits of a cloud that makes engineering and product development faster and companies stay competitive.

The CIDEON CLOUD CAD Integration connects cloud-CAD data with SAP



CIDEON's contribution to the 'cloud' topic, is its specialization and expertise in delivering the foundational layer enabling digital transformation for manufacturing companies through integration of cloud-CAD tools to SAP S/4HANA and the SAP Cloud Platform as well as the classic SAP ERP (based on SAP ECC).

The CIDEON CLOUD CAD Integration connects mechanical engineering data and structures (documents, assemblies, parts) of cloud-CAD systems, such as Onshape® with the SAP Cloud platform and via connector with on-premises SAP ERP systems.

In this manner all cloud-CAD data and structures are available for logistic SAP downstream processes and along the entire product value chain.



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CIDEON CLOUD CAD Integration for SAP PLM

Functional Overview

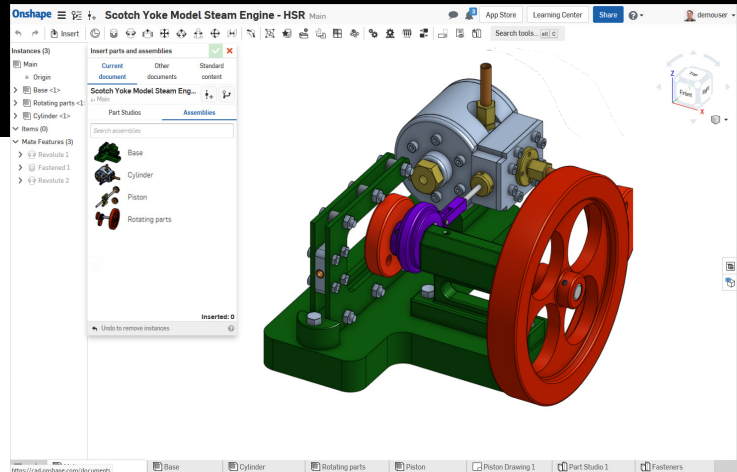


Fig.: Cloud-CAD assembly model (example Onshape).

Integrate cloud-CAD and SAP business objects with a mouse-click

With the CIDEON CLOUD CAD Integration SAP master data objects are derived in the connected SAP system and linked with the cloud-CAD components - according to their assembly structure.

The easy-to-use interface allows for a simple browsing in cloud-CAD structures via a navigation bar and objects are listed level-by-level. From there you can reach the linked SAP objects with one click.

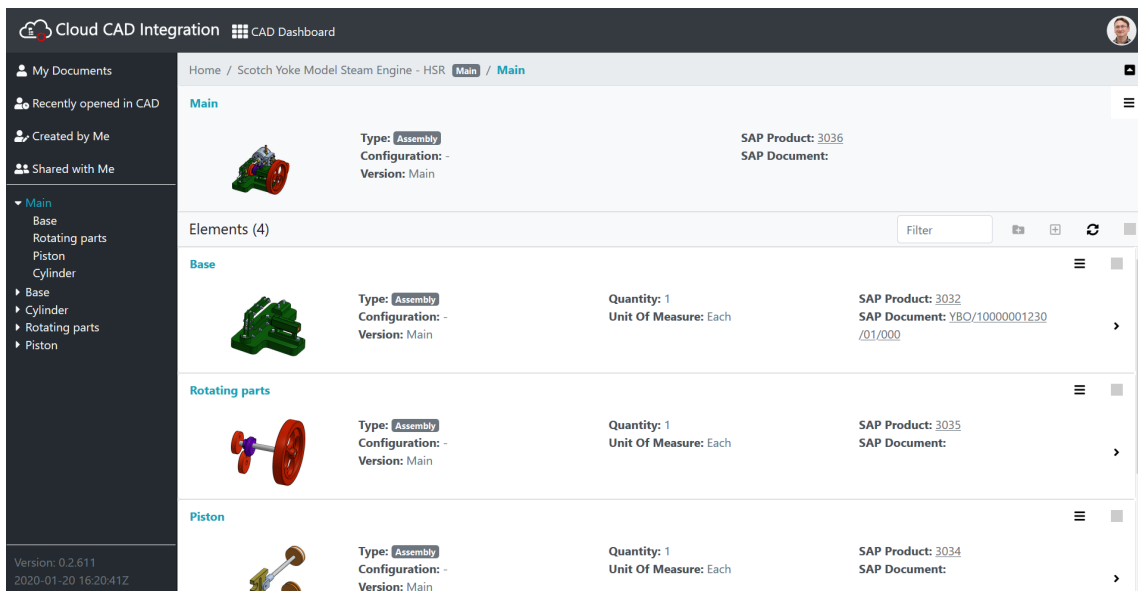


Fig.: Browser interface of the integration with navigation pane and view on cloud-CAD assemblies with SAP object informations (shortcuts).



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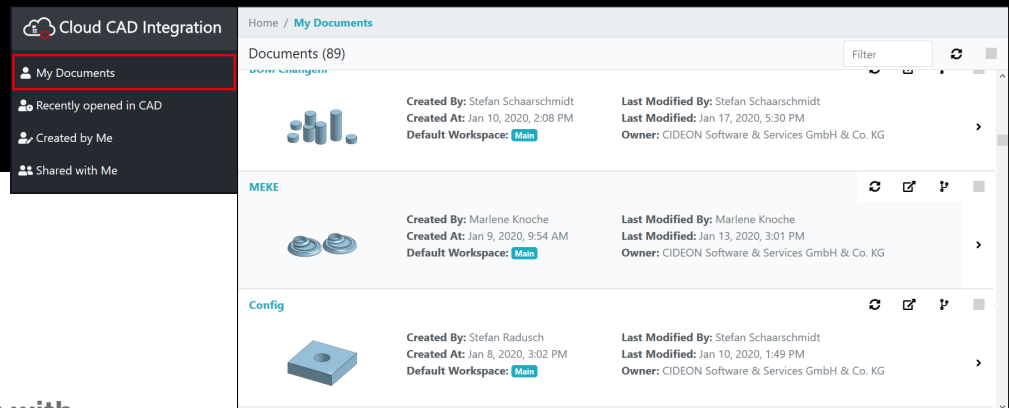


Fig.: User-dependent view on existing SAP documents.

Easy cloud adjustment with huge SAP functionality

Even in a world where CAD documents are fully managed, versioned and collaborated by a cloud-CAD system, there is a need to provide neutral files or previews to downstream users. The CIDEON integration generates and sends the neutral formats automatically to the SAP system, triggered by defined cloud-CAD processes. All SAP functions that can be performed on the cloud-CAD components are carried out via a context-sensitive menu that only provides the appropriate commands for the corresponding object.

SAP Document Info Record (SAP DIR)

- Create SAP DIR in background or with a dialog, automatically or manually generate neutral exchange formats or upload files (such as PDF) to SAP.

SAP Engineering Change Number (SAP ECN)

- Search, display and link SAP ECN with SAP DIR, SAP Product and/or SAP BOM.

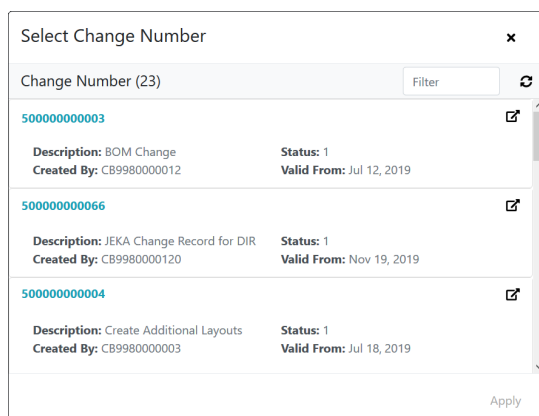


Fig.: SAP Change Number selection dialog.

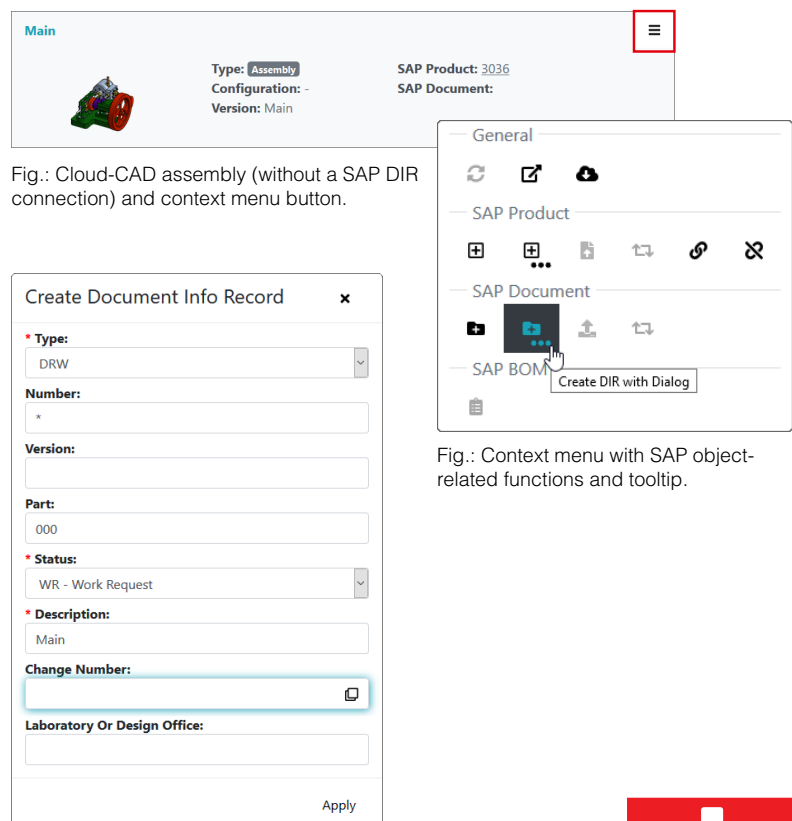


Fig.: „Create DIR“ dialog.



CIDEON CLOUD CAD Integration for SAP PLM

Functional Overview

The CIDEON integration also supports the symbiosis between other important logistical SAP objects and cloud-CAD components by simply connecting them via direct or context menu functions.

SAP Product (SAP Material Master)

- Create, search, assign and unassign, mark and update SAP Products for single or multi-selected cloud-CAD parts and assemblies.

SAP Bill of Materials (SAP BOM)

- Create and update SAP BOMs for cloud-CAD assemblies, highlight changes with colored rows, display structure and items.

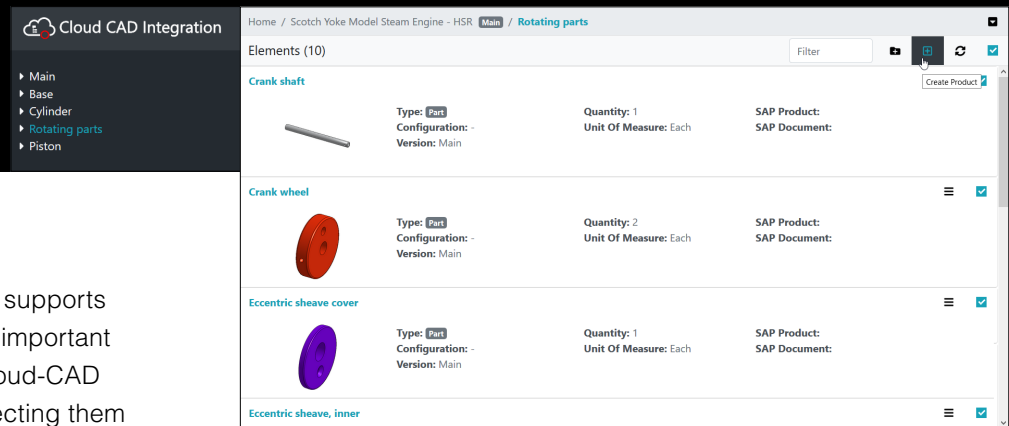


Fig.: Selected Cloud-CAD parts and mass-creation of SAP Products.

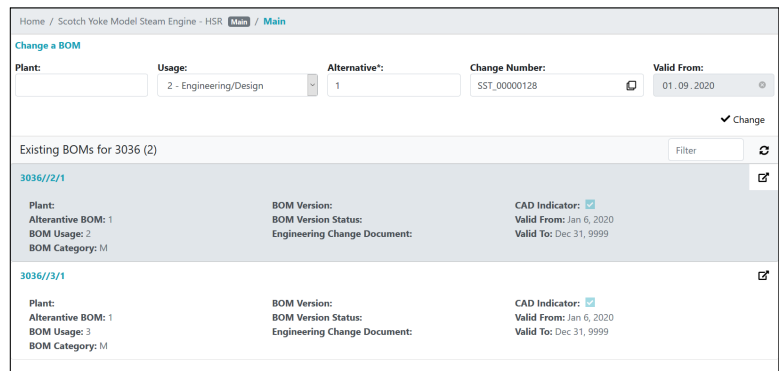


Fig.: List of existing SAP BOMs.

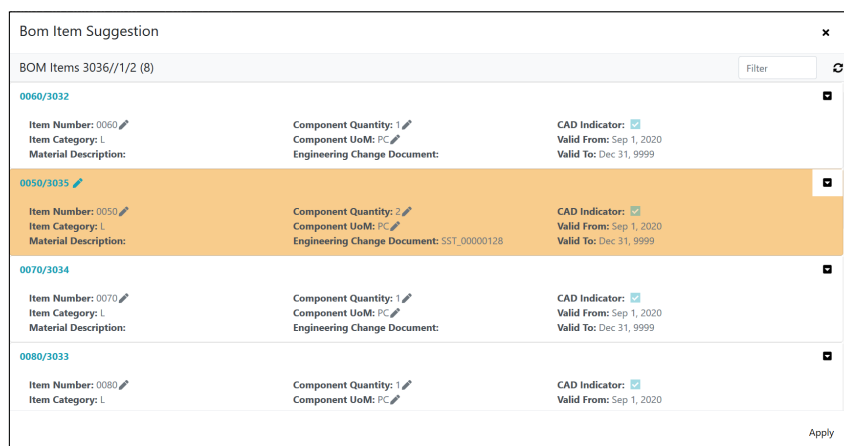


Fig.: Suggestion of the BOM items, when updated with changed item (yellow colored).

Little effort for fast enablement!

CIDEON provides the CLOUD CAD Integration for SAP PLM as a hosted turnkey solution.

➔ Contact us:
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