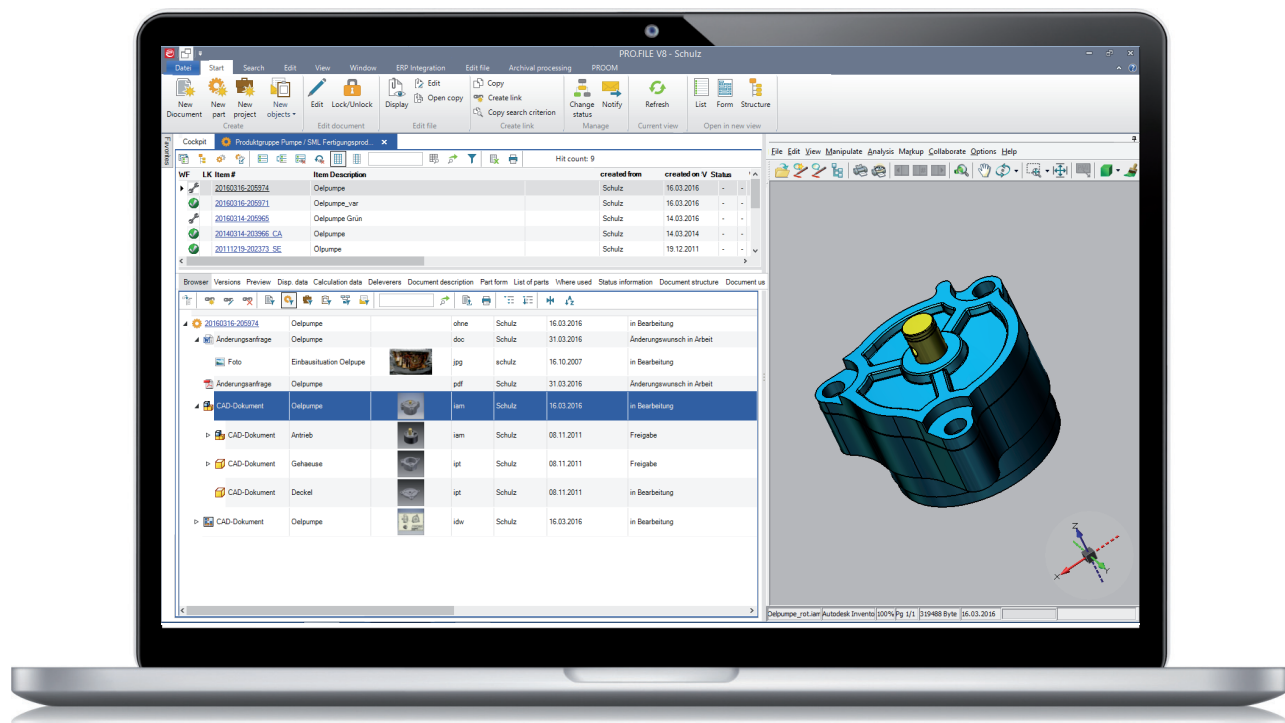


MANAGE PRODUCT AND DEVELOPMENT DATA FROM PRO.FILE

Today, the topic of PLM (Product Lifecycle Management)/PDM (Product Data Management) affects more than just machine and one-off manufactures. Efficiency and cost pressures are driving an ever-increasing number of manufacturing companies to be actively involved in the development processes of their customers. The result is greater emphasis on a continuous view of the entire value creation process, from product development and versioning to optimization of production methods. abas offers a process oriented system integration for the PLM/PDM solution PRO.FILE.



PLM/PDM FUNCTION DESCRIPTION

PLM/PDM in abas supports the entire data management for master files, BOMs, and drawings in the development departments as well as the comparison of these data in abas ERP.

- Drawings and CAD model management
- Automatic generation of CAD documents in PDF/A format
- Automatic creation of BOMs and where-used lists from CAD models
- Growing BOMs management
- Parts classification with characteristics bars
- Revision and version management
- Release and workflow management
- Compliance management
- Email system integration
- Cross-location data and document management
- Technical documents management
- Machine record maintenance

CAD SYSTEM INTEGRATION

PLM/PDM in abas provides integration modules for common 2D and 3D CAD systems. Integration with CAE systems (CAD systems for cabling, switch panel

layout, and terminal connections) as well as EDA (CAD systems for electronic design automation) are also available.

INTEGRATION WITH:

MECHANICAL CAD	ELECTRONIC CAD	ELECTRICAL ENGINEERING CAD
<ul style="list-style-type: none"> • AutoCAD • Autodesk Inventor Series • CATIA • Creo Parametric / Wildfire / Pro/ENGINEER • Creo Elements Direct Drafting (ME10) • MicroStation • Solid Edge • SolidWorks • SIEMENS NX (Unigraphics) 	<ul style="list-style-type: none"> • Altium Designer • Cadence Allegro • Cadence OrCAD • Mentor DxDesigner • Mentor Expedition • Enterprise • Mentor PADS • Pulsonix 	<ul style="list-style-type: none"> • Engineering Base • AUCOTEC ELCAD • EPLAN P8 • EPLAN 5.70 • AutoCAD Electrical • SolidWorks Electr. • E3 Series • ECSCAD

PRO.FILE CAD INTERFACE FEATURES

The PRO.FILE CAD integration organizes the archiving and quick retrieval of CAD models and technical drawings. This means you can re-use constructions, components and modules. Special technologies, tailored to mechanical and plant engineering requirements, simplify design modifications and revisions and automate routine tasks.

DOCUMENTATION AND DOCUMENT EXCHANGE WITH DEVELOPMENT PARTNERS:

- Data exchange with development partners using virtual project rooms
- Provision of documentation on laptops or DVDs
- Automatic creation plant documentation / machine records

DATA SYNCHRONIZATION BETWEEN PRO.FILE AND ABAS

The core element of PLM/PDM in abas is the automatic synchronization of data and documents from development and production departments with other components of your abas ERP system.

- Transfer of the product master files from construction parts to abas when a new CAD/PDM is created or an existing one is edited
- Automatic transfer BOMs to abas when a new CAD/PDM is created or an existing one is edited
- Display of drawings in PDF format on an abas workstation
- Transfer of norm parts from abas to the CAD/PDM system

