



FACTSHEET

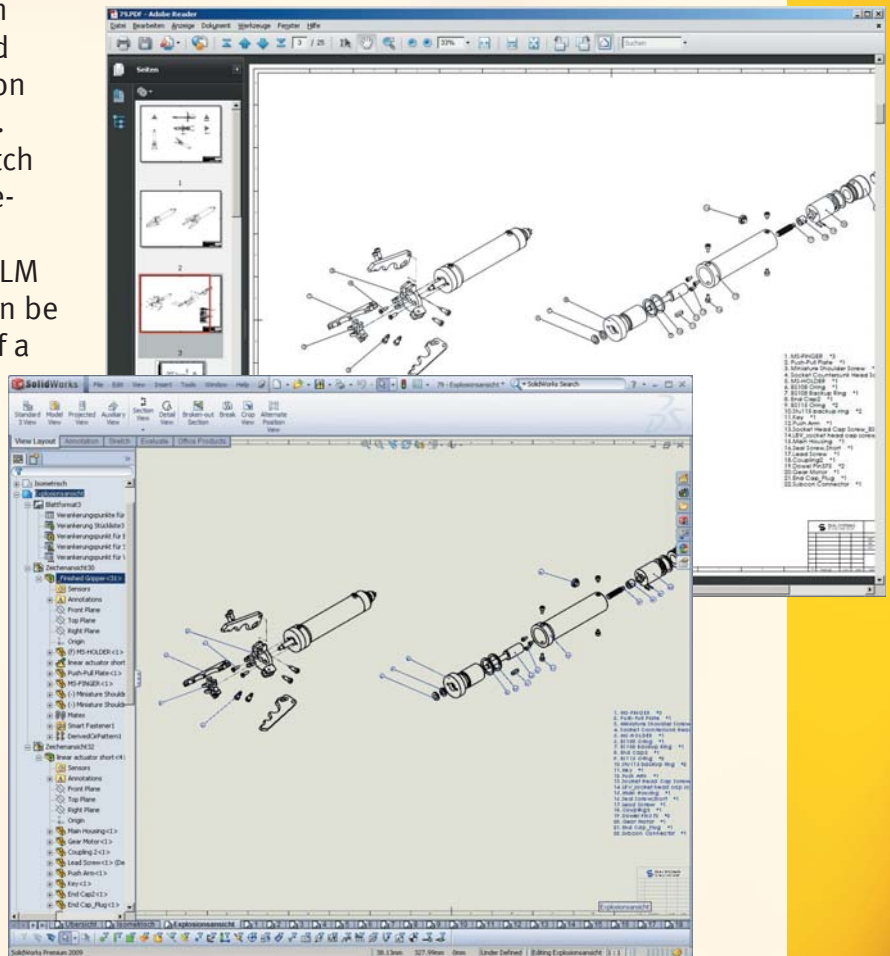
## PLOSSYS® netdome System Integration

### APPLICATION CONVERTER → SOLIDWORKS

// To meet security requirements of **long term archiving**, document formats are required that are not alterable and thus will be readable after many years of storage. Proprietary application data is not fulfilling this requirements. Quite often these formats are not made public and worse are changing constantly with new releases of the application thus guaranteeing **long term readability** almost impossible. It becomes obvious that proprietary application data is not an acceptable archiving format. Neutral formats like **PDF, PDF/A** or **TIFF/G4** are. These formats are open and standardized by industrial or ISO organizations. Due to their characteristics, these formats are quite often called „**digital paper**“.

The application converters from SEAL Systems are designed and developed to convert application data into **digital paper formats**. These converters can run in batch mode and can therefore be integrated into any conversion process. For example, in the SAP PLM environment, the converters can be triggered by the state change of a document that can be part of a release workflow process, automating the creation of digital paper like TIFF/G4 or PDF when a drawing is released. The SEAL Systems converters can be integrated into any PLM solution.

The SolidWorks application converter provides the conversion of SolidWorks application data into digital paper.



# Application Converter for SolidWorks

## ::: USAGE

With the application converters the generation of **digital paper** for long term archiving can be largely **automated**. The conversion processes can be used for boots trap loading of digital drawing archives as well as for document management systems. Also release processes are possible for generation of digital paper directly from the workflow of the construction process.

Digital paper like **TIFF** or **PDF/A** accomplish all requirements for long term archiving: it is not editable, it can be quickly displayed on demand with free viewers at any time on many places by authorized people.

## ::: ADVANTAGES

- Automatic creation of digital paper (PDF or TIFF) guarantees the availability of readable documents over many years, even after the original application data format may have been altered in many releases and the original application may no longer be available.
- Through the integration of the converter into the state change process of PLM systems the availability of digital paper can be assured and ISO 9000 compatible processes can be implemented.
- Open interfaces enable the integration into several system environments – a great benefit and a protection of the investment can be realized.
- The long standing experience of SEAL Systems in the field of conversion and digital archives guarantees competence in consultancy and project quality.
- Integrated solutions from a single vendor – SEAL Systems delivers the complete conversion workflow.

## ::: INPUT FORMATS

SolidWorks Drawings (Filetype SLDDRW) and/or Parts and Assemblies (Filetype SLDPRP, SL-DASM)

## ::: OUTPUT FORMATS

PDF, TIFF, CALS, BMP.

Others on request.

## ::: SUPPORTED FUNCTIONS

- Support of multi-sheet drawings (multi-sheet-input <> multi-sheet-output or single sheet output)
- Sheet filter support
- Update of file properties (drawings and models), e.g. for the automatic title block update.
- Many configuration and control possibilities through ini-files and process parameters
- Logfile support for protocols and analysis
- Stamping and watermarking option
- Export of 2D and 3D files into all SolidWorks supported formats, like PDF, DWG, DXF, eDrawings, ePart, eAsm, STEP, IGES, VRLM, JPG, etc.

## ::: PROCESS

The application converters are started via a batch interface:

- The interface is started with the application data (SolidWorks Drawing and/or Model) and control parameters.
- Start of Solid Works.
- The drawing and/or Model is loaded.
- The settings are made according to the control parameters.
- The drawing size is determined.
- Output of the drawing to PDF (and other export formats) or on the selected printer.

A graphic format is produced which can be the input for a format converter of SEAL Systems (e.g. gXconvert). The total conversion process is a closed process.

## ::: SYSTEM ENVIRONMENTS

SolidWorks2007 SP3.1 – 2010 (previous versions on request), 32Bit and 64Bit editions

Windows XP Professional SP3, 32Bit and 64Bit

Windows7 Professional, Ultimate, and Enterprise editions only, 32Bit and 64Bit

(see also SolidWorks System Requirements).

## ::: RELATED PRODUCTS

DVS-CRFC, DVS-CONV, K-APKV, K-DWG, K-SE

## ::: LICENSING

For each server where the application converter is installed, a license is required.

## ::: PRODUCT CODE

K-SOWO