



WHITE PAPER
Corporate Conversion
Server

**System for
company-wide
conversion services**

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Corporate Conversion Server

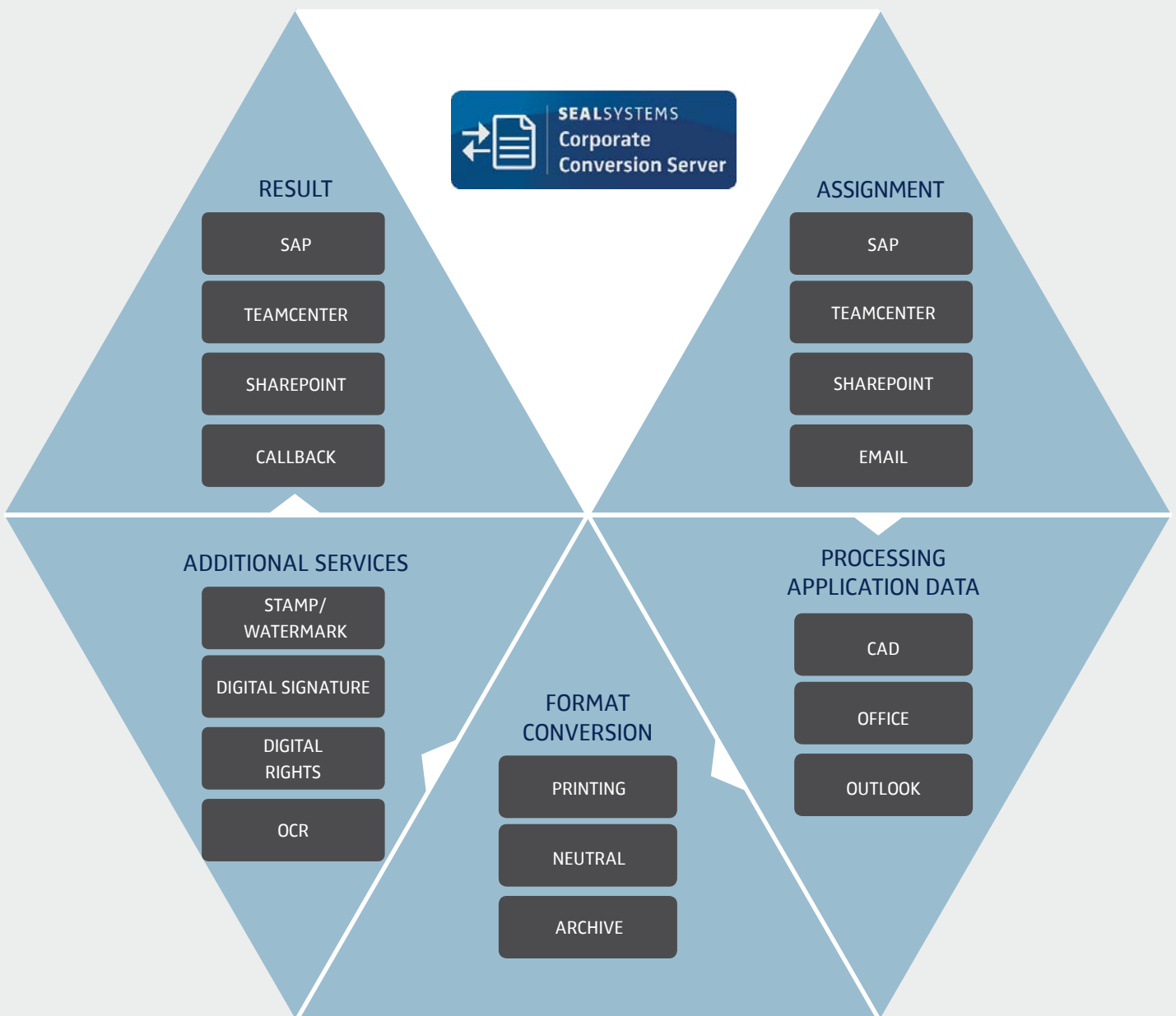
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System for company-wide conversion services

The Corporate Conversion Server is a high-performance conversion engine which automatically carries out all file conversion requirements throughout the company. Thanks to flexible interfaces, it integrates seamlessly into the existing IT landscape. Numerous additional functions complete the range of services. SEAL Systems' conversion server aims at improving optimization potentials in the daily operation of medium and large companies. An integrated infrastructure can provide significant cost benefits. Furthermore, our conversion server makes it easy to configure and control processes and structures in order to carry out transactions in this way. Until now, this was not possible for such complex levels of process-complexity and efficiency.

Your high-performance conversion engine executes all data conversion requirements throughout the corporation automatically.



An application scenario: Every company needs to convert files.



A company decides not to use Office files for external communication with suppliers and customers. Instead, they wish to use PDF, as a neutral, standard format. When saving your own documents in DMS, a PDF should always be added to the application files, as one would assume that every workplace can open and view PDF files. Therefore, every employee will need a tool to create PDFs in the workplace. Most use free or shareware to do this. Some power users also use Adobe Acrobat in various versions and with a variety of features. In construction, some programs allow the possibility to export a PDF. The PDF files are also enhanced with unusual features: 3D elements, clickable elements, password protection.

The purchasing department introduces a new PDF-based form system which should allow numerous processes to be carried out digitally without media interruption. Due to product liability law, various documents have to be archived. Many combinations of PDF creators and viewers do not match. Due to the wide range of products on the market, problems are common. Internal support is overwhelmed, because analyzing each problem requires extensive PDF expertise. When reproducing the archived documents, some files can't be printed or don't look like the original document. The forms from the purchasing department can't be printed in other departments. It is quite common to get PDF files which you don't open because they are password-protected. Customers demand a particular version and quality of PDF. Your own PDF files need to be reconverted.

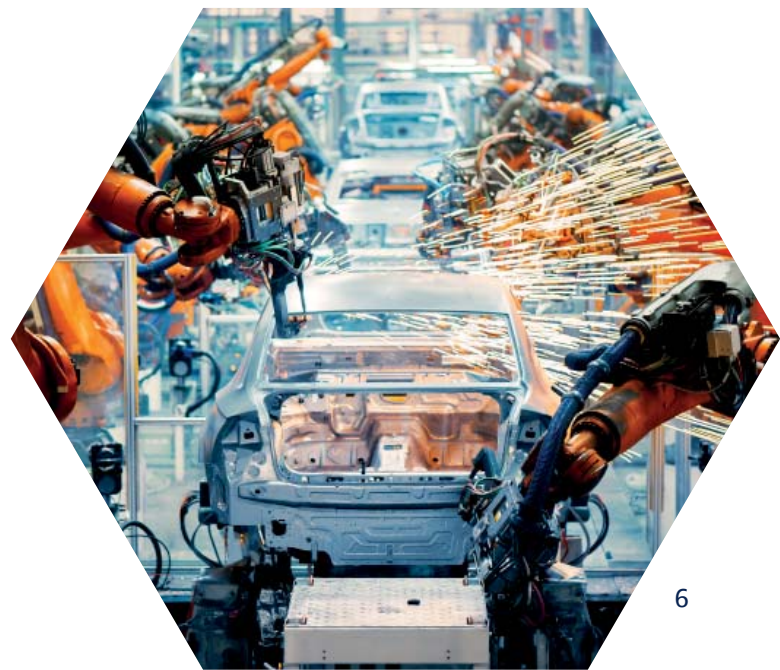


An application scenario: Creating and delivering documentation automatically.

A big machinery manufacturer needs to supply complete documentation for a machine. The acceptance of the machine and thus the receipt of payment are tied to the delivery of this documentation. However, this highly-dynamic document is worked on up to the last minute. In order to create the documentation, all the required documents in various storage locations and filing systems need to be found and often revised. Also, (parts of) documentation from suppliers and third-party components need to be integrated. Images and data which need to be revised and approved also need to be included in the final documentation.

A detailed contents page for the documentation, which in some cases contains over a thousand pages, must be created. Consistent, clearly arranged layout is important to the customer. Pages must be repaginated and match the contents page. The respective project data must be added to the headers and footers of standard documents. Some files need to be converted from source to print format. If the customer so requests, customer logos need to be added. For the print version, each binder will need contents pages, stickers and inserts. If the files need to be delivered on CD/DVD, then it is necessary to create navigation menus for the data-carriers.

These recurring, routine processes require a lot of technical knowledge. An automatic printing process results in a safer procedure and saves time. Creating a last minute document will not be a problem anymore.



An application scenario: A large number of documents need approval.

Documents for a planned new manufacturing facility together with the tooling machines, conveyor technology and automation need to be sent to an external institution or authority for inspection and approval. The documents must have a uniform format and be clearly arranged. The according files have to be ordered and accepted from the various internal departments. The files are delivered in ZIP containers which have to be unzipped. Some of the ZIP files contain other ZIP files which contain the required documents.

The documents include MS Word, MS Excel and AutoCAD files. These must be converted to PDF format prior to distribution. As conversions often produce incorrect PDF files, which later distort the print, the data has to be checked for according sources of error.

The stacks of paper are printed in the in-house printing department. In order to ensure that the production printer is optimally supplied, the files are sorted according to color and black and white documents as well as DIN formats. Large-format documents are given to service providers to plot. In order to do so, the files are sorted and missing sheets are added to the DIN A4 paper stack for these documents. However, everything could be faster, better and more efficient with an automated production process!



Corporate Conversion Server – Who needs it?



All companies and institutions where file conversion is a necessary process can benefit from the Corporate Conversion Server. It also has massive benefits for all CIOs wishing to increase efficiency and safety and decrease costs for their conversion infrastructure. Corporate Conversion Server is also an interesting topic for all IT infrastructure managers, system administrators and can help desk employees who waste time searching and resolving errors due to conversion processes and wish to optimize processes. Finally, it provides added value for all users, because the right conversion should always be available and work properly too!

Corporate Conversion Server – What can it do?



Our Corporate Conversion server creates all the relevant file formats needed for exchange, saving/archiving and print/reproduction. Whether the file formats come from Office, Scan, CAD, Archive, ECM or Publishing – the true-to-detail processing grants every wish. But file conversion can be more than just one simple operation. We can also automate complex document-related business processes. In this way, Corporate Conversion Server simultaneously implements document acquisition directly in the ECM system and the distribution to the corresponding following administration procedures. In the meantime, the server can carry out conversion, or enrichment with additional metadata, information retrieval via OCR, structuring files in a final PDF, digital signature and document protection, depending on your requirements. We already support a wide range of systems with customized integration, such as SAP, TeamCenter and Share Point. Other systems can be connected via Watchfolder, hardware-independent and Java-clients or web services. Our web services allow synchronous and asynchronous processing. File transfer can be by attachment to the web service or via data link.

Overview

Your benefits

High economic efficiency

- Reduces administration costs, robust processes and central control and monitoring console (lower supervision expenditure and hardware & help desk costs)
- High productivity thanks to automatic process
- Paper reduction through true-to-source digital paper
- Uses all formats from all applications
- Investment protection thanks to market-leading product
- Reduces redundant conversion structures: One service for all editions

High data security

- On demand data encryption and compression
- User and rights administration
- Use of standard protocols for data transfer and communication

Consistent process transparency

- Conversion can be started in the actual application used to create or administer files, either interactively or automatically in background
- Order tracking by users and administrators via all process steps increases satisfaction and reduces help desk costs
- Central accounting of all editions for cost control and allocation



Higher quality

- Same layout from all applications
- Automatic processes reduce error rate and increase process speed
- Uniform application integrations via standards
- High user satisfaction
- Implementation of international or company standards

Your benefits at a glance

- Central administration and configuration of conversion processes
- Integration in all file sources
- Very user-friendly
- Consolidates system diversity
- Even automates complex processes
- Numerous additional functions
- SEAL Systems Service Quality



Overview

Product features



Central administration

For system administration and the user help desk, the operator console (DPF tracker) is a modern tool which provides central monitoring and control of the entire conversion service:

- Cross-server system administration
- All converters and orders at a glance
- Order status tracker
- Start, stop, repeat, analyze and delete orders

Convert file formats

- Archiving formats
- Print
- Office
- CAD
- Publishing
- Application formats
- Plot and Vector / Hybrid

High availability, fail-safe, load distribution

- Failover concepts stand for high availability of conversion processes - also across numerous sites
- Easily scalable of particularly processing-intensive components
- Load-balancing support
- Automatic reactions in case of error reduce down times and support costs

Corporate Conversion Server ...

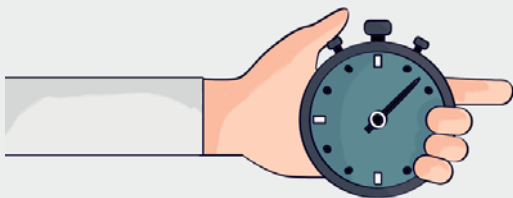


... saves money

... saves paper



... saves time



... and it's secure!



Overview Functions

Input Formats

Text, XML, HTML

Office (MS+Open), RTF, Mail

DTP, RS

PDF, PS

Raster

Graphic (vector, hybrid):

2D CAD

3D CAD

Container:

ZIP, TAR, RAR

Mail

PDF/A-3

Output Formats

PDF, PDF/A

ePub, HTML5

3D-PDF

JT

IGES, VRML, IDW

TIFF

JPEG

Container:

Structured PDF

ZIP, TAR, RAR

PDF/A-3





Supplementary and additional functions

Norm adaptations:

- ISO-PDF
- PDF/A
- PDF/X
- PDF/E
- PDF/UA

Labelling:

- Stamps/watermarks
- Metadata/
Document properties settings
- CAD Property Update/
text field comparison
- Digital signatures

Information retrieval:

- Editing after scanning/OCR
- Creation of different views

Security:

- PDF password protection
- Digital rights management (DRM)

Migrations:

- Versions refiling

Changes and adjustments:

- Scaling and rotation
- Compilaitons as a complete document

Change characteristics:

- Page numbers
- Logos
- Footers
- Text fields/labels
- Bookmarks/hyperlinks

Overview

System interfaces



For nearly all applications and process chains there is a suitable interface. Furthermore for many administration systems there are standard integrations.

Order:

- Native and Java batch client
- GUIs
- Web services
- REST interface
- Watchfolder

Transfer:

- Eryption
- Packaging
- File sets

Return:

- File system
- Check In
- Response: Mail, logging, accounting

Security:

- PDF password protection
- Digital rights management (DRM)

Input procedure and treatment

- Active check out
- Email input
- Inspection upon receipt
- File type recognition
- Unpacking and separating
- Virus scan
- Macro treatment
- Carry out passwords

Standard integrations

- SAP DMS
- SAP Folders Management
- SAP cFolders
- Open Text
- Siemens PLM TeamCenter
- Microsoft SharePoint

Contact us anytime

In many companies there are business processes for which data conversion is necessary or desirable. Daily, thousands of data conversions accrue with different requirements from diverse process contexts. A uniform infrastructure not only creates significant cost advantages, but also transparency, security and a clear added value for the user.

We hope that with this white paper, we have kindled your interest in our corporate conversion server. If you wish, we can help you analyze the operations in your company and develop application scenarios for the corporate conversion server. Your company, too, can experience its benefits!

And even after implementation, we are here by your side. Live support is available 24/5 or 24/7 depending on the model. Or take advantage of the new SEAL Gold Service. This means, you make the platform available to us and we take care of the operation of installed solutions. Extent and content of the Gold Service is individually customized to your needs. We look forward to your inquiry!

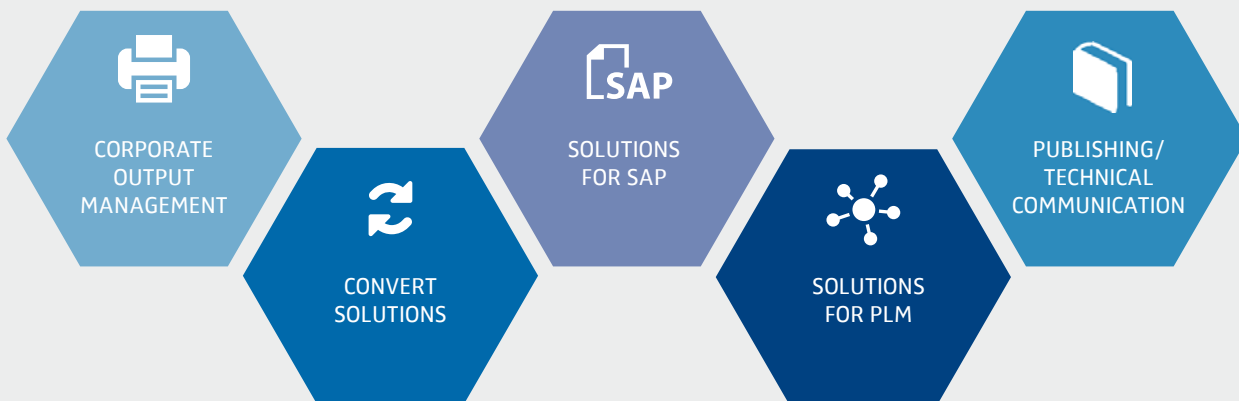
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Our company



For the past 35 years, SEAL Systems has been delivering solutions that encompass universal document and file collection and delivery for any company using PLM, SCM, CAD, and ERP Systems. What began as a CAD plotting and conversion solution founded in Germany, quickly evolved into an entire document suite expanded throughout Europe, North, Central and South America, Pacific, Asia, and the Middle East.

Today SEAL Systems maintains offices in USA, Germany and France with partners in Benelux, Scandinavia, South Africa, Switzerland, Brazil and the United Kingdom.

With experience delivering standard and company specific solutions to over 1,500 different companies and implementations in almost 1,300 locations worldwide, SEAL Systems has grown into the preferred output management solution for almost any ERP system. In addition, SEAL Systems has developed tools for the professional generation and conversion of graphical data formats stored in various applications. With this integration, processes of information structure collection and distribution can be designed, managed and controlled.

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www.sealsystems.com/blog

LET'S TALK ABOUT SOLUTIONS

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