

User Report

ArchiveLink XSA from SEAL Systems at ABB Schweiz

Easy Management of Document Archives

- + ArchiveLink XSA from SEAL Systems puts documents in uniform format, automatically - regardless of format, quality or in which directory they are located.
- + At ABB Schweiz 800,000 personal documents from ten different archives were collated in an archive and all documents converted to standard PDF/A-2b.
- + All personal data can now be viewed with simple standard tools (e.g. Acrobat Reader).
- + In addition, the quality of the documents has been significantly improved and standardization of all formats achieved. Tiresome searches, manual conversion and viewing difficulties are now a thing of the past.

Every day in large companies, it is a normal occurrence that in SAP archives, large batches of documents are stored in different sources. These documents, which were recorded as TIFF or PDF for many years using a scanner, are from both internal and external sources and have been processed in different areas of the company or by different people. All these documents are therefore in different formats, of different degrees of quality and in different archives. The result is a lack of overview and difficulty in obtaining or processing the documents quickly and efficiently.

Storage and display of such documents, however, can be carried out quickly and efficiently, as shown by SEAL Systems AG, an expert in document management, using the example of ABB Schweiz AG. 800,000 personal documents available online are to be migrated.

Ten archives result in one

At ABB Schweiz, the subsidiary of one of the leading energy and automation technology companies, ten HR archives are being amalgamated and thousands of personal documents migrated. Via a portal solution, employees are able to view their personal HR information, such as medical bills, application documents and personal documents. All documents are available online and permanently accessible by employees.

In the past, all the documents were stored in different file formats and for historically reasons, stored in ten different archives. Many pages were difficult to read and some source formats, such as multi-page TIFF files could not be displayed, because this format was not supported by the viewer being used.

Know-how from SEAL Systems

As part of the migration project, which was carried out under the management of profintec and with the expertise and proven SAP and conversion solutions from SEAL Systems, all existing source files in TIFF or PDF format were converted to standard PDF/A 2b. Documents composed of multiple part documents, have been consolidated into a single document and stored in a new archive destination. For other formats, such as JPG or TXT, direct rearrangement was carried out in the new target archive.

The advantage of this rearrangement is that the so-called “old archives” can be eliminated after the migration. All personal data, which are now in a uniform PDF/A format, can now be viewed with simple standard tools (e.g. Acrobat Reader). The entire process is arranged so other that future HR documents and personnel files are now basically converted directly to PDF/A-2B as part of the archiving process, and stored in the pre-defined target archive.

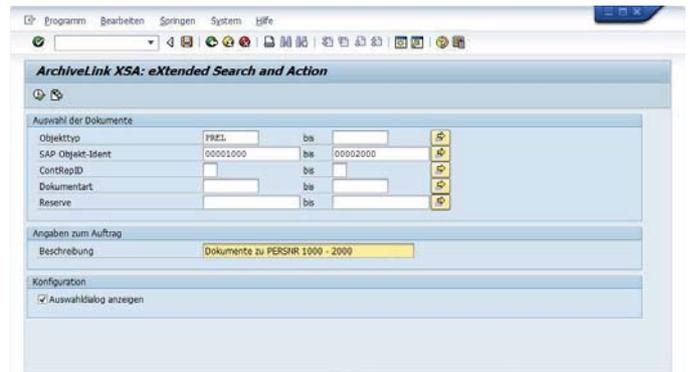
How does ArchiveLink XSA work?

As usually, a large number of documents need to be processed during the migration process, an application is required, which detects the relevant documents and processes them. This determination is carried out with the SEAL System module “ArchiveLink eXtended Search and Action”, ArchiveLink XSA for short.

For a better understanding: SAP systems contain archives as components, in which SAP generated and externally imported documents are stored. ArchiveLink is the interface between SAP and the archive.

“TIFF in the evening - PDF in the morning”

With this program, documents in the archive are identified by selected attributes and associated data categorized into a migration package. The attributes in the above example are personal numbers. Likewise, categorization can be carried out according to file format or archive name. After the creation of appropriate migration packages, source data is converted into a so-called migration module and stored in the destination archive. In the example, the customer’s existing DPF workflow engine from SEAL Systems was used for conversion. In this context, it is also possible to straighten documents scanned at a slant and using OCR to provide searchable texts. Migration usually takes place during working hours without restricting staff in their work: Conversion takes place per member of staff according to the slogan “evening TIFF, morning PDF”.



Standardization & Quality Enhancement

The described document migration has resulted in numerous benefits for ABB Schweiz. Not only has the quality of documents been significantly improved, but standardization of all formats into PDF/A achieved. All documents can be viewed with a standard viewer, for example Acrobat Reader. Tiresome searches, manual conversion and viewing difficulties are now a thing of the past, thanks to the migration.

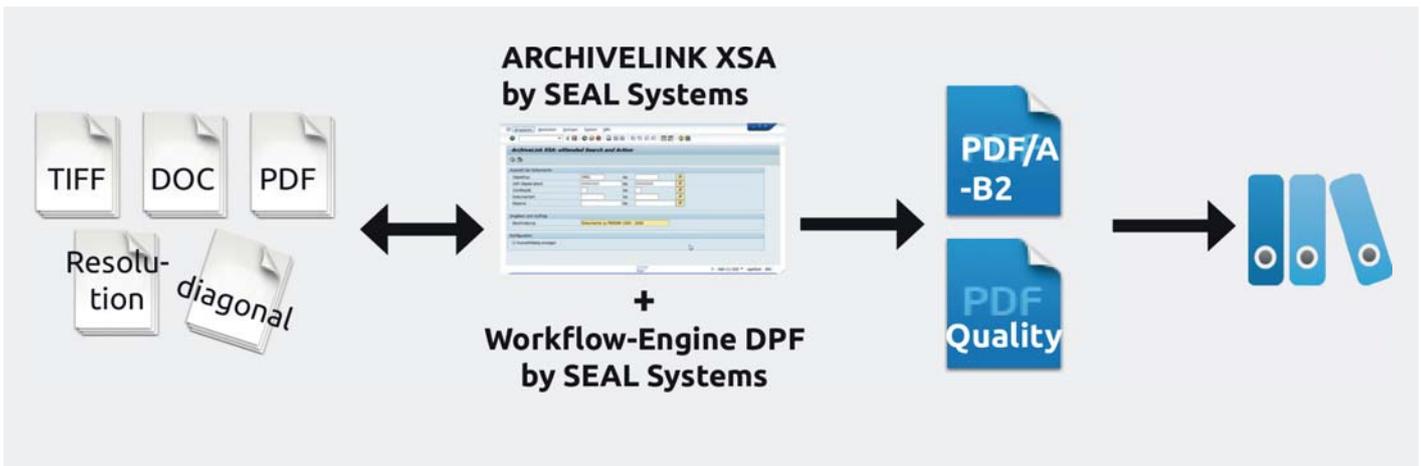
ABB Schweiz is extremely satisfied with the quality and performance of the migration. Conversion time of documents is on average around twenty seconds. This relatively high duration is due to OCR recognition (text recognition for TIFF files) and the orientation of the scanned documents. As multiple conversion jobs run simultaneously, overall throughput is very high.

A tool with many uses

With ArchiveLink XSA, SEAL Systems is able to offer its customers another useful tool for managing documents. Alongside the functions to convert, distribute and display with stamps, there is also a function available, where documents can be generated uniformly and in higher quality in the archive using the Archive link. These documents can then be used with standard format PDF or PDF/A, with no need for any special viewing software.



- Automatic conversion of all documents in PDF/A-2B
- View of all documents now with standard viewer possible
- Improved file quality
- Standardization
- Clear arranged



“ABB Schweiz has converted their entire HR archive of TIFF documents into standardized PDF-A documents using SEAL Systems conversion solutions. This achieved the hoped-for improvement in quality of our document archive and a comfortable standardization of our documents. Cooperation with SEAL System’s competent development team was extremely simple and unbureaucratic. The team implemented solutions tailored to ABB-specific requirements in the shortest time frame. For ABB Schweiz, SEAL was a very good choice, and we can definitely recommend SEAL.”

Peter Liebich, Project Manager
ABB Schweiz AG

About ABB Schweiz

ABB (www.abb.com) is a leader in energy and automation technology. The company enables its customers to improve their performance in energy supply and industry, while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 140,000 people, of whom around 6,550 are in Switzerland.



**Lars Palitzsch is the Development
Manager for the SAP business
sector at SEAL Systems**



Lars Palitzsch
Tel +49 (9195) 926 187
lars.palitzsch@sealsystems.de



U.S.A./Canada/South America:
David Salamanek
Tel +1 865 380 0005
info@sealsystems.com