

Cases

See how our clients succeed with Aiddocs.

Case Samlink:

Samlink Uses Aiddocs to Produce Thousands of Documents Every Day

Serving several bank groups with their multi-tenant banking systems, Samlink needed a robust solution for document production for their modernized enterprise architecture. With Aiddocs technology they can now not only produce thousands of banking documents every day, but also fluently manage the several hundred different templates for each of their customer brands.

Project in detail

Samlink serves multiple Finnish bank groups with a wide range of banking systems. As part of a multiyear program Samlink moved its customer banks to fully electronic document processes. Each of the banks have several hundred document templates, labelled with their own brands.

At Samlink Aiddocs technology is used in banking document production for several client bank organizations.

Move from client side logic to service

The previous document creation system from the 90's was based on Word macros. This was no more a feasible solution for the new generation SOA systems. Besides the evident security issues, they needed a generic solution, which could be easily integrated with different kinds of client systems.

BENEFITS ::::::::::::::::::::::::::::::

- › The new SOA-based solution fits well into the enterprise service architecture.
- › Documents are created dynamically out of the centralized template library, ensuring always up-to-date content.
- › Efficient management of massive, multi-brand collection of document templates: Templates are modular and managed in a centralized template library.
- › The centralized service provides documents with consistent output for IT systems of different technologies.
- › Newly created solution highly compatible with the old one due to templates based on Microsoft Word document formats.

Need for agile template management

Besides the internal base banking systems used by the bank clerks in offices, the same document types are produced in internet and mobile banking channels as well. Previously any changes to the document templates needed to be deployed through expensive software updates in multiple channels. Now the move to dynamic centralized document service enables very fast and agile template management.

Solution

The newly designed SOA-based document service produces each day thousands of documents, which are then stored in electronic archive and signed with electronic signatures. The documents are produced for various IT systems of different ages and technologies serving the many customer service channels.

PARTNER PARTNERS

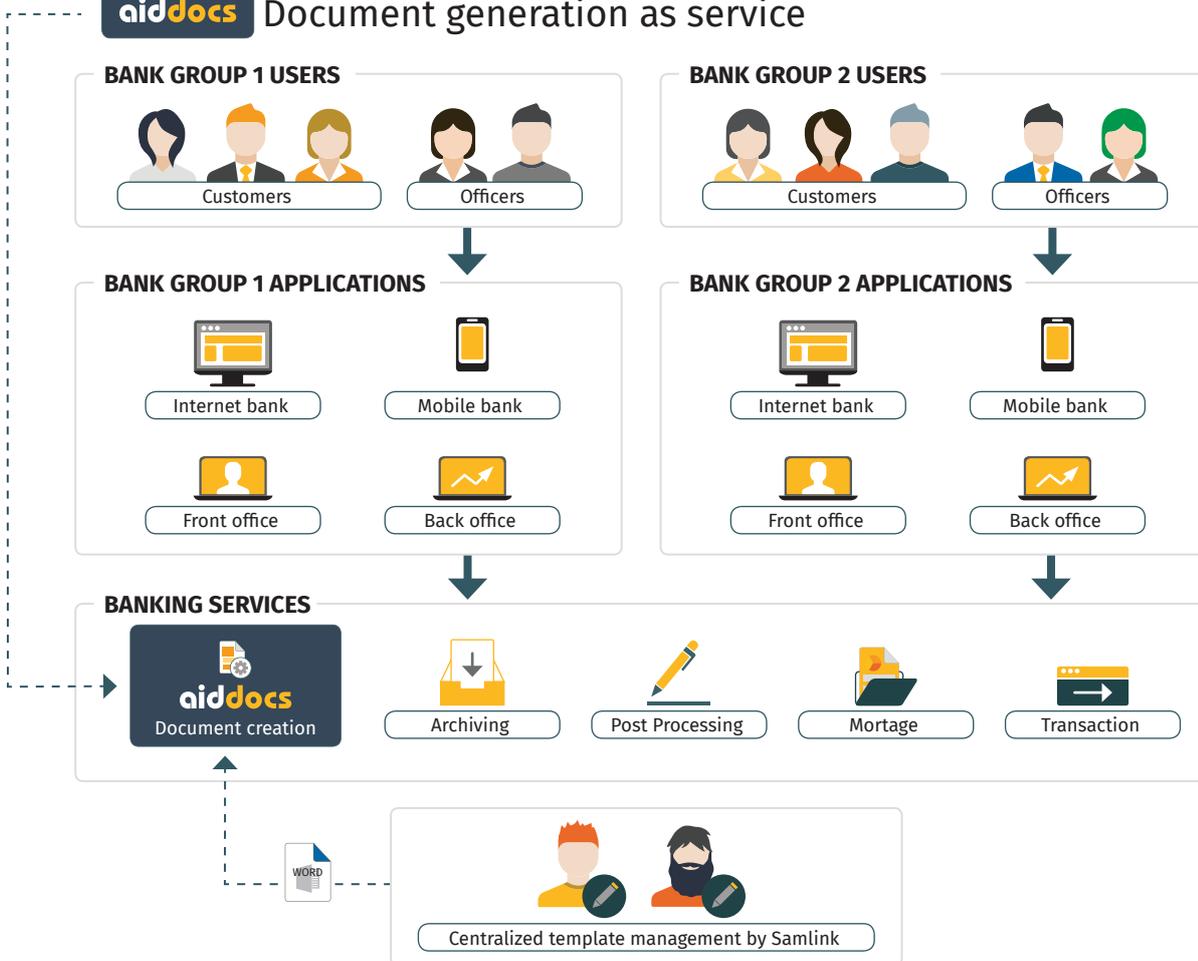


CUSTOMER MAGAZINE



MULTI TENANT BANKING SYSTEM

aiddocs Document generation as service



Centralized multi tenant banking system: At Samlink Aiddocs technology is used in banking document production for several client bank organizations. In a true SOA architecture Aiddocs resides on a service level alongside other banking services.



Case Rakennustieto:

Rakennustieto used Aiddocs to automate production of complex technical documents

More than a hundred titles of Ratu documents – a technical document series of 10+ pages each – have been traditionally assembled as a manual work. Their content has been collected in a structured form to a data warehouse. Aiddocs helped to automate the laborous manual layout work to speed up the process and show new opportunities in publishing.

Project in detail

In Finland The Confederation of Finnish Construction Industries RT (CFCI) and The Building Information Foundation RTS sr have a long history in publishing technical information files for professionals involved in construction planning. The Ratu File has been developed since 1972, currently in co-operation with the publishers, Mittaviiva oy and building contractors.

The Ratu File contains information about work methods in line with good building practice, work and material requirements as well as information about planning and quality assurance.

Ratu File document data

Ratu File content is stored as structured data in a data warehouse by Mittaviiva. Rakennustieto has a strategy to extend the use of structured data in publishing and to innovate new ways to benefit from data, without compromising visual layout or usability of the publications.

BENEFITS

- › Consistent document layout and content for all of the 100+ Ratu File documents
- › Flexible content updates
- › Speedy brand and layout updates throughout all Ratu File documents
- › Dynamically generated publishing products with customizable content
- › Downloadable content optimized for both mobile devices and computers

Automating document assembly

Traditionally the desktop publishing of Ratu File document versions has been accomplished as a manual work. This approach does not support frequent publishing cycle for the whole document set. The cost per document is high.

Aiddo oy designed and implemented a solution for automatic layout of Ratu File documents for Rakennustieto and Mittaviiva in 2017. Using Aiddocs, Ratu File document data is generated by the data warehouse and sent to Aiddocs service to automatically generate a PDF document. This whole process takes a few minutes at most, making it possible to produce and publish new versions of all the needed Ratu File document titles in a fast publishing cycle and without manual work.

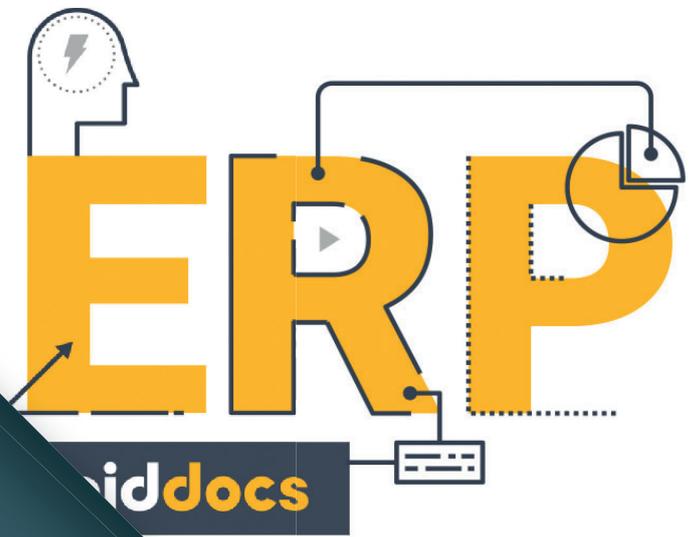


Results

Aiddocs enables Ratu File documents to be assembled in a fraction of the time what it used to be. Costs are lower due to avoiding manual work. Both of these make it possible to speed up the publishing cycle maintaining consistent

layout and content throughout all Ratu File documents. The potential for new publishing products with customizable content open new possibilities in Ratu File publishing.





Case Legacy ERP:

Aiddocs helps in modernization of legacy ERP

Legacy client-server ERP faced compatibility problems during Office 365 tests due to using the proprietary binary doc document format, and the DDE-dependent client-side implementation of merging data to documents. Aiddocs provided an economic way to replace deprecated technologies and open up new possibilities in document processes.

Project in detail

Modernization of legacy IT system does not need to be a choice between go and no-go. Selectively replacing outdated functionality is often enough to transform the system to meet the requirements of today, paving the way for the more fundamental changes at later date.

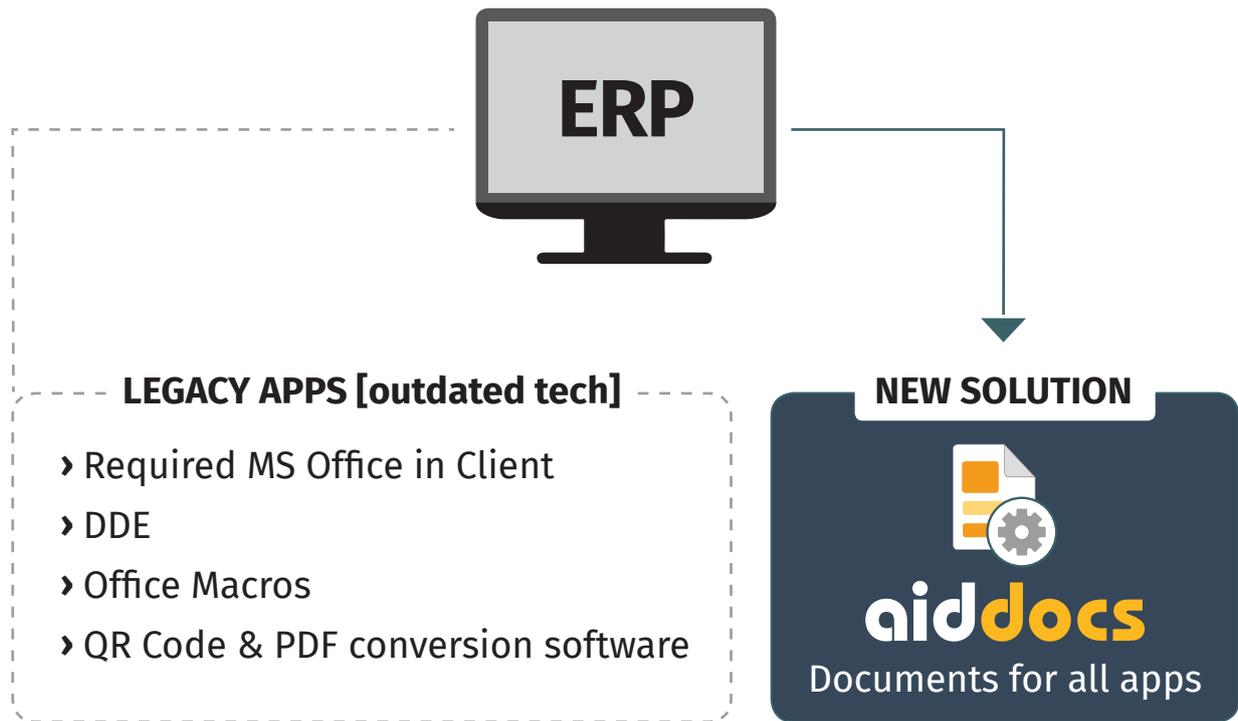
In the case of our customer, a mid-sized organization providing testing and certification services, the custom in-house ERP system still serves the needs of the organization on the whole, despite of being designed as a technologically outdated client-server solution.

Problems with integrations

As is often the case, it's integrations that pose challenges to legacy systems. This ERP needed to be integrated with Canon Therefore document management system, stressing the need for metadata in documents produced by the ERP. At the same time, moving to Office 365 with up-to-date Open XML file formats proved to cause technical problems, due to the old DDE technology used in the ERP to merge dynamic content to documents generated.

BENEFITS

- › Future proof technology for document production
- › Consistent document output across all client apps, resulting cost savings
- › Customer has control over document templates. Application updates typically not needed any more on layout or even content changes.
- › One centralized template library to manage the template content. The new level of control this provides can't be overstated.
- › Metadata easy to add for documents – helps in archiving.
- › Microsoft Office rich clients not required any more > new opportunities for planned Office 365 transition.
- › No need for additional libraries to create pdf files out of doc files, as Aiddocs offers both .docx and .pdf output formats as standard.
- › No need for additional libraries to insert QR codes, as Aiddocs offers that as standard.
- › Legacy binary .dot templates replaced by modern OpenXML templates.



Solution

To overcome these problems, the original in-app implementation of document generation was replaced by Aiddocs service requests. The process turned out straightforward and highly cost-efficient.

The used Powerbuilder development platform didn't provide a support for XML handling nor SOAP or REST for Aiddocs service requests, but this turned out not to be a significant problem. With just a few custom routines and the adoption of a tiny Aiddocs legacy connector component the document production functionality was rebuilt to use a solid, long term solution.

Potential for the future

As before, all document titles can be created by the ERP, but now also by the few process specific applications and by any other application in the organization, always resulting consistent output. This will be especially useful when the time comes to replace the legacy applications altogether.

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Create Documents – **The Smart Way**

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