



CASE STUDIES

ASPOSE.Total Case Study



Control Systems GmbH & Co. KG

Using Aspose .Total to create mobile printing workflows

Ulrich Maier, Founder & CTO, 09/09/2015

About Control Systems

Since formation in 1982, Control Systems is providing and developing leading-edge technology document management solutions backed up by excellent, responsive service and support. We are highly specialized in accounting and payment solutions for public sites like universities and in secure print release and document workflow solutions for corporate and administrations.

Control Systems technology is found in over 10.000 sites all over Europe and worldwide.

Problem

CS is developing advanced document management software that can be found in various markets. In universities, schools etc. (education market) the focus is set on payment for print outs and walk up copies. In firms, offices or administration (corporate market) the focus is set to security, convenience and the possibility to charge back cost. In both market segments the demand to provide a service that allows printing most common document formats (Office, PDF, images etc.) not only from stationary PCs but from any (mobile) device and from any place – inside and outside of an organization is rising dramatically.



So the challenge was to develop a service that allows users to send print jobs from devices that natively do not support printing like e.g. iOS based devices.

Solution

Standard printing from a workstation PC is performed by processing a document with an appropriate driver according the printer hardware. This works fine for operating systems that are designed to support printing (Windows, Linux, Mac). But mobile devices like phones or tablets often run OS like e.g. iOS that do not support printing at all. So the processing of documents converting them into a print job needs to be done externally.

The idea was to send documents via e-mail or upload them via a dedicated user portal to the server. Then convert the original document to a print job file that can be sent to the printer.

CS development has looked at quite a number of different tools before deciding for Aspose.Total. The trial was easy to implement and it showed us that we can go straight forward with the core development.

Aspose.Total easily fetches the mails from different sources, extracts attachments and reliably converts them to the desired file formats for printing. The wide range of supported file formats is ideal meets the market requirements.

To provide 'print on demand' functionality an App for iOS and Android enables the users to select the jobs and the destination printer. A very convenient functionality is the preview of the document allowing the user to identify the desired documents and avoiding unneeded printouts.



Next Steps

As Aspose.Total is convenient feature rich and easy to use development times can be reduced significantly. OCR and Barcode capabilities will allow us to step into new areas of document management solutions and to develop customized applications matching 100% the customer's requirements.

Summary

Control Systems choose Aspose.Total not only because it is easy to handle and covering the current requirements. Aspose.Total will be a solid part in our development environment allowing creating application in line with the market requirements.