

EIT FOUNDATION – INTERNSHIP PROPOSAL

Internship title: Explore opportunities of Apogee Prepress deployment in Cloud OS

Company offering internship position: **Agfa Graphics Belgium**

1/Project description (including the objectives):

Background

Since a long time, Agfa Graphics has been developing workflow solutions to automate the prepress work in the Graphic Industry. The basis of this workflow consists of the Apogee Prepress system; this is a client-server based solution used by prepress people in the printing organization that outputs incoming content files (typically PDF) on plates (using platesetters) and media (using digital print devices). At this moment, customers are running the prepress production system on premise (virtualized or non-virtualized). The recent new cloud offerings and reduced cost for network communications and storage make new deployment models for Apogee Prepress possible.

Problem statement

One of the available cloud offerings is Microsoft Azure. We want to investigate the possibilities to deploy Apogee Prepress in Microsoft Azure. Many aspects have to be taken into account: select most optimal (cost/performance) configuration, measure database, storage and network performance, automate deployment, investigate high availability, investigate network connectivity, investigate best solution to upload/download data.

2/Tasks to be performed by the intern and expected deliverables:

- Build up knowledge about Microsoft Azure IAAS and Apogee Prepress deployment
- Analyze and define optimal cost efficient configuration
- Automate deployment and monitoring process
- Investigate best solution to exchange data with cloud environment

3/Key learning points:

- Managing a software project in an industrial environment
- Integration in the R&D team
- Soft skills: reporting, presenting results

4/Intern's profile, desired skills and competences:

- Excellent analytic and software skills (JAVA)
- Experience in Cloud OS is a plus

5/Project timing: starting date and duration:

Early start March 2015 or September 2015, for a minimum period of 6 months.

6/Location, country and city:

Septestraat 27 2640 Mortsel
Antwerp, Belgium

7/Confidentiality level: Low – Medium – **High**

8/Non-Disclosure Agreement needed: **Yes** / No

9/Compensation level¹: The company will offer the housing (value 650 euro/month) and a monthly living allowance of 490 euro is budgeted.

More info on www.agfa.com/discovery

10/Remarks:

Agfa graphics' head office is located in Mortsel (Belgium). The business group has sales organizations in over 40 countries and representatives in more than 100 other countries. Its production sites are situated in Belgium, Germany, France, the United Kingdom, the United States, Brazil, China, South Korea and Canada.

A trusted partner for professional printers and publishers

Printers rely on Agfa Graphics' equipment, consumables (such as graphic film and printing plates), software and services for almost every stage in the preparatory process. The business group's software packages include workflow management software, technology for digital proofing and screening, as well as tools for managing color and quality consistency. These software systems offer printers faster processing, better quality and improved cost efficiency.

<http://www.agfagraphics.com/global/en/mainings/>

¹ The company hosting the intern will provide a standard compensation according to its internal rules. The compensation should cover the local costs of living and housing costs. The compensation **SHOULD NOT** be considered as a salary.