

INGEDE Working Group Deinking Process (former DIP Quality Management) met in Perlen



from left to right: Encarna Bernal (Holmen Paper Madrid), Hanspeter Steiger (Perlen Papier AG), Anne-Kathrin Kuna (INGEDE Office), Frank Zimmermann (UPM Schongau), Anne-Katrin Klar (SCA Kostheim), Hans Jörg Aregger (Perlen Papier AG), Franziska Schütt (Stora Enso Eilenburg), Markus Brütting (Utzenstorf AG)

The host for the spring meeting of the INGEDE Working Group DIP Quality Management was Perlen Papier AG. In the heart of Switzerland this mill area comprises one of the world most modern deinking plant and newsprint paper machine.

The participants of the working group were warmly welcomed by Jörg Michel, head of production and technology, and Hans Jörg Aregger, manager of TMP and DIP lines. Perlen Papier AG produces standard and improved newsprint and LWC magazine papers on a base of DIP and TMP.

After the short introduction the group was guided by Hanspeter Steiger, head of production ALPA, through the storage of paper for recycling, pulping drum, sorting and screening, the flotation section, up to the paper machine PM7. Regarding the raw material, Perlen Papier AG has an excellent position due to the household collection of bundled newsprint and magazines. After the pulping drum the flow capacity (400000 TPY DIP) is split into two DIP

lines. The DIP line ALPA II works with online control of the ash and brightness parameters. Obtained from a mixture of DIP (80 – 85 %) and TMP (15 %), PM 7 produces 360000 TPY newsprint at 40-55 g/m².

TOPICS and RESULTS of the working group meeting were:

- Renaming into “Deinking Process”. This name mirrors much better the central content of the group.
- Following up and new proposals of INGEDE projects.
- Members corner: Problems with stickies and hickies were illustrated; findings, solution and plant trials discussed
- Communication: The INGEDE Working group Deinking Process will found a LinkedIn Group
- DIP Statistic: The data of 2011 was used to prepare a summary. In average, 11 participants sent data each month. The working group discussed the results and improved the data base by introducing the product category



Perlen Papier AG uses the effective innofreight unloading technology

“upgraded” while deleting “improved newsprint”. INGEDE office will get into contact to INGEDE members to motivate them to participate in the DIP statistic.

We would like to thank Perlen Papier AG for its great hospitality and the intensive view insight. The next meeting of the INGEDE Working Group Deinking Process will be on 28/29 November.

Anne-Kathrin Kuna

CALENDAR OF EVENTS

9 May 2012

INGEDE Project 138 12

“Monitoring of varnished printed products with NIR spectroscopy”

Heidenau, Germany

3 – 16 May 2012

DRUPA

Düsseldorf, Germany

19 June 2012

INGEDE Project 137 12

“Varnishes - hickies”

Darstadt, Germany

26 – 28 June 2012

Zellcheming Expo

Visit us at booth 321!

Wiesbaden, Germany

28 June 2012

INGEDE Project 135 11

“Adsorption Deinking”

Wiesbaden, Germany

9 – 13 Sep 2012

NIP 28

Quebec, Canada

12 Sep 2012

INGEDE Seminar

Birmingham, United Kingdom

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Media Mundo - A Focus on Sustainable Media Production



More and more printers as well as designers become aware of issues of sustainability – mostly because the importance of respective claims in marketing increases. But only few printers (and even less designers) have more than a vague idea what sustainable printing means. Different aspects compete for the attention as well as for the budget: Labels like TCF, FSC and PEFC or claims like VOC-free ink, soy ink, waterbased ink and finally all kinds of carbon dioxide emission compensation programs that promise to offset your environmental impact once you pay enough for it.

Media Mundo is a German working group that wants to provide recommendations for sustainable media production. Members range from representatives of environmental stakeholders in the field such as FSC and the German Environmental Foundation as well as the Federal Environmental Authority to designers, consultants printers and paper merchants. A couple of weeks before drupa, the 4th Media Mundo conference in Düsseldorf was meant to look at different perspectives to run one's business: Continuous development (evolutionary) or in a large step that might be necessary to achieve the climate goal of limiting global warming to 2 °C (revolutionary)?

At the conference, among others Johannes Zahnen of WWF Germany talked about paper buying decisions and what this has to do with the tropical rainforest, blaming deforestation in Indonesia by APP for a major contribution to world-wide carbon dioxide emissions. Don Carli, president of Nima Hunter Inc. and a well-known sustainability consultant in the US,

described the “mediavore’s dilemma”, stating that “buyers of media will be compelled to consider the economic, environmental and social impacts of the flows of water, energy, raw materials, waste and human effort

INGEDE @ Media Mundo @ drupa

Hall 9 Booth E55 will host a first this year at drupa: 20 sqm of special exhibition just for issues around sustainable media production.

Acting as director of the special exhibition, Media Mundo is responsible for putting together an exhibition and presentations focusing on the important issue of sustainability.

The special exhibition is commissioned by the Düsseldorf Trade Fair. It aims at presenting the topic from a wide angle of aspects in cooperation with a variety of participants. This activity at drupa has been preceded by the 4th Media Mundo Congress in Düsseldorf in March (see article). At drupa, there will be short talks and varying exhibitors at small info-spaces; all activities will be broadcasted live on the internet.

INGEDE will have a table for presentation there for two days (May 8 and 9 when the topic will be “Recycling, Efficiency of Paper and Materials”).

More: www.mediamundo.biz/drupa2012

associated with the print and digital media that they rely on”. He presented interesting aspects of digital communication and energy consumption, especially the carbon footprint of advertising and other media-related activities. US servers and data centers

consume 59 billion kWh electricity per year – ranking them #6 in a list lead by chemical manufacturing (125 bn kWh) and paper at #4 (75 bn kWh).

Stephen Goddard of HP tried to illustrate HP’s role in “reducing the environmental impact of print with digital on-demand technology”, claiming that “HP digital presses can help reduce the environmental impact of transpromo printing”. In the discussion, especially his presentation of Indigo prints being deinkable was questioned. He quoted a “Successful mill trial with 5% HP ElectroInk prints conducted at Arjowiggins Greenfield, France deinking mill in November 2011”. Axel Fischer put this claim into perspective by describing the unique nature of the Chateau Thierry mill which does not allow any transfer of the results to other European mills. In his own presentation, Fischer pointed at the mill experiences leading to the European consensus that Indigo prints can only be recycled for board but have to be kept separate from the graphic paper collection. Fischer also explained the problems that water-based inkjet inks of all major manufacturers can create in the recycling process. Only few systems with non-aqueous inks, special pre-coating or new resin coated pigments show good deinking results.

Presentations at <http://www.mediamundo.biz/kongress/kongress2012/vortraege>

Axel Fischer

Apology: News March 2012, WAN-IFRA Printing Summit, wrong caption: The person leading the group was Claus Pengel, plant manager of Axel Springer’s Druckhaus Spandau