



First CfBI Novel Applications for Printing Consortium (NAP-1)

Introduction

The Centre for Business Innovation (CfBI) is an independent organisation, based in Cambridge, UK, which runs consortium programmes for leading companies across Europe, who want to benefit from a shared programme of work that addresses key business issues, which have the potential to significantly increase revenues and/or reduce costs.

Members of current and recent CfBI consortia include Airbus, BBC, Bayer Schering, Boehringer Ingelheim, Bosch, Deutsche Telekom, Hewlett Packard, Philips, Royal Bank of Scotland, Sony DADC and the Wellcome Trust Sanger Institute.

The first CfBI **Novel Applications for Printing (NAP-1) Consortium** reaches beyond traditional text & graphics to the *dispensing* of liquid products such as scents, flavours, security features and coatings; to printing functional materials for sensors or components as part of a *manufacturing* process; and to *integrating* functionality such as sensors, information and energy storage into otherwise inert products, creating smart textiles or smart packaging.

NAP-1 Members

NAP-1 will bring together about 8-10 companies from the User and Technology sectors. Users will be drawn from retailers, FMCG manufacturers, telecoms, food producers, pharmaceuticals, defence, security and speciality packaging companies. Technology will be drawn from suppliers of coatings, materials, fluids, process & system developers and academia.

Marks & Spencer and Unilever are on board and we are in advanced discussions with a number of companies including Philips, TNO, DSM, BASF, Friesland Campina, Nokia and others.

NAP-1 Format

The consortium will run for 12 months, during which time the consortium members will meet 5-6 times across Europe, starting with the first meeting in Cambridge in mid-February 2011. Each company has 3 delegate seats at each event, so there is plenty of scope for companies to send the most appropriate team to each themed meeting.

Consortium members will set the agenda for each meeting and key issues which have been raised so far include:-

- Security/counterfeit – how can innovative print technologies reduce loss and protect brand integrity?
- Smart packaging – how can value be added to products without unacceptable cost? What are the latest technology developments? Who are the early adopters?
- RFID – how can costs be reduced? What is the cutting edge/next generation technology?
- Reducing supply chain waste – could sensor/RFID technology be employed?
- Flexible photovoltaics – can roll to roll printed solar cells be incorporated into more consumer products and clothing?
- Speciality inks & barrier coatings – e.g. biodegradable inks; antimicrobial barrier coatings; overcoats for product decoration
- Sustainability – using print technology innovations for cradle to cradle solutions
- Spray drying using inkjet technology



Meetings will start with a dinner the night before, with a guest speaker to open preliminary discussion on the meeting's specific theme. The dinner provides an informal atmosphere for the group to meet and network before the official business begins.

The meetings will be a mixture of invited guest speakers and discussion moderated by the NAP-1 team. Site visits will also be included wherever possible. These may be to innovative companies, who have technology appropriate to the meeting's core theme or to a consortium member's site – it is not unusual for members to invite the group to their facilities for tours and to host a meeting.

The NAP-1 Team

The consortium will be led by a group of print industry experts, representing both digital and analogue technologies – with our digital experts having a particular strength in ink jet technology. In addition, guest speakers will be drawn from our vast network within the industry to ensure that each meeting's theme is covered in the appropriate depth.

We also anticipate interaction with the Print Valley consortium in The Netherlands and with the Organic Electronics Association in Germany, whose members are drawn from across Europe.

The Shared Value of NAP-1

NAP-1 will create a learning environment, where knowledge can be transferred within a confidential group. Members can identify common challenges and goals across different industry sectors and begin to address these issues together, with additional expert input. Collaboration between members is encouraged and other consortia have seeded new partner relationships and facilitated open innovation projects. Above all consortium members set the agenda, whilst sharing costs amongst a group of peers.

Joining NAP-1

Membership of the consortium costs just £9,500 for a full 12 month programme, including 5-6 business meetings, with the dinner the night before and site visits. Travel and accommodation is not included. Members should plan for a total of about 8 days out of the office over the 12 month programme to cover meeting and travel time.

If you wish to speak to members of other consortium groups to get their feedback, then references for a wide range of companies can be provided. Please contact us for more details.

Please remember that the content of the NAP-1 consortium is shaped by the participants, so your voice is important. A telephone call or meeting to discuss your needs and interests is strongly recommended.

A full prospectus is available upon request. For more information please contact:-

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