



Press release

MULTI-DISCIPLINARY EUROPEAN CONSORTIUM DEVELOPS OPEN ACCESS PILOT LINE SERVICE FOR HYBRID & PRINTED SYSTEMS TO ACCELERATE INDUSTRIAL UPTAKE

Thin, organic and large area electronics -or hybrid printed electronics- is a continuously growing technology with an estimated market reach of € 37 B in 2018. Lower manufacturing cost and fast access to prototypes are the main drivers for potential users. In order to secure a dominant European position in this market, all major research and technological development centres (RTD'S) on hybrid printed electronics have joined forces to develop an open access pilot line that will boost the commercial adoption of this promising technology.

The project, titled **InSCOPE**, has received funding from the European Union's Horizon 2020 research and innovation programme, and aims to create an open access pilot line service for Hybrid Printed electronics systems. The pilot line is modular thereby ensuring a comprehensive toolbox of printing, assembly, production integration and process validation facilities distributed over the **InSCOPE** partners. Building this revolutionary platform business model on the European ecosystem to allow faster transition of product concept from R&D to product. Thereby support the build of manufacturing capacity will also give a great chance for SMEs to enter the market for hybrid and printed electronics enabled products. The technology is well suited for electronics applications that require mechanical flexibility. Key applications can be found especially in the health, smart packaging, smart building and automotive sector.

InSCOPE, the Pilot line service is serviced by top European RTD's with leading technological positions and state of the art equipment in the domain of hybrid printed electronics.

The **InSCOPE** consortium brings together a multi-disciplinary group composed of 11 partners and 8 countries within the European Union forming an ideal and well-balanced team that includes Holst Centre from the Netherlands, Centre for Process Innovation (CPI) Limited from United Kingdom, Commissariat A L energie Atomique et aux energies alternatives (CEA) from France, Teknologian tutkimuskeskus VTT Oy from Finland, Interuniversitair Microelectronicacentrum IMEC VZW from Belgium, Philips Lighting B.V. from the Netherlands; Robert Bosch GMBH from Germany, Walter Pak SL from Spain, Glaxosmithkline Research and Development LTD from United Kingdom, Kone Oyi from Finland and Amires from Czech Republic.

The project aims to create impact by offering a pilot line service that advances accuracy and reliability of hybrid printed electronics. It will be tested on 15 SME development cases that are devoted to new functionalities enabled by this emerging technology. Moreover, the pilot line will remain accessible to interested parties even after the duration of the **InSCOPE** project.

www.inscope-project.eu

"This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 731671".



“Maturing the hybrid printed electronics roadmap requires parties to supply large amounts of products at a high quality to allow industrial relevant tests, such as consumer satisfaction, clinical trials and large scaled demonstrators, therefore InSCOPE project is a great opportunity to supply such service and at the same time strengthening the European role in Printed Electronics technology”, adds project coordinator Corne Rentrop from Holst Centre.

More about InSCOPE (www.inscope-project.eu)

InSCOPE will set-up an open access pilot line service for hybrid printed technologies capable of sampling products at TRL6-7 and help to educate a large group of potential end-users about the possibilities to integrate hybrid and printed electronics in their products. This will be done by organising technical design seminars, local events, and workshops. Parties that show an interest to make a step towards actual products will be supported via dedicated business development trajectories, including technical feasibility studies, cost analysis and design activities. For elected new cases a funnelling approach towards real commercial cases will be conducted.

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