

Press Release

PolyIC GmbH & Co. KG: February 2007

PolyIC is the youngest member in the biggest EU research project for organic electronics named PolyApply – The main focus is on the development of in-line production processes and a 13.56 MHz RFID demonstrator

The members of the EU research project PolyApply (“The Application of Polymer Electronics to Ambient Intelligence”) establish a basis for a scalable and ubiquitously applicable communication technology based on organic electronics. Particularly, the consortium will build RFID demonstrators for a frequency of 13.56 MHz, besides developing the materials and processes required for this. The key to significantly lower cost compared to silicon RFID tags used today is the introduction of new in-line, in particular roll-to-roll production processes.

PolyIC has been a member of PolyApply since September 1st, 2006. Other members are, for example, Merck, Motorola and Philips Research Laboratories. “Since joining the project, PolyIC collaborates on bringing the competencies of the consortium together to develop an organic RFID tag,” says Dr. Wolfgang Clemens, Head of Applications with PolyIC GmbH & Co. KG. In particular, PolyIC contributes polymer transistors and integrated circuits.

PolyIC leads the workpackage “Manufacturing and Process”. Besides developing demonstrators, PolyIC is especially active in evaluating new materials for organic electronics in reference setups and roll-to-roll processes as well as in the development of polymer circuits to analyze sensor and memory chips.

PolyApply is an integrated project in Framework Programme 6 by the European Community and is funded with 20 million € (US\$ 26 million), thereof 12 million € (US\$ 16 million) funded by the European Union. The consortium's nearly 20 members account for the remaining 8 million € (US\$ 11 million). The project started in January 2004 and will run until end of 2007. More information about the project can be found at www.polyapply.org.

PolyIC GmbH & Co. KG

PolyIC is a leading developer of polymer electronics technology and a future provider of printed electronic products and components. PolyIC will provide products for high volume low cost applications based on organic semiconductors.

PolyIC uses its competence on materials, new adapted chip design methods and mass production processes (roll-to-roll printing) for the development of this new technology.

The leading application for PolyIC is RFID (Radio Frequency Identification). The technology of the company has the potential to be used in various electronics applications being thin, flexible, robust and low-cost. PolyIC is a member of EPCglobal – an organization for standardizing the use of RFID in the industries.

www.epcglobalinc.org/home

PolyIC is a founding member of the Organic Electronics Association, a working group under the umbrella of the VDMA (Verband Deutscher Maschinen- und Anlagenbau).

www.oe-a.org

PolyIC GmbH & Co. KG started in November 2003 as joint venture between Leonhard Kurz GmbH & Co. KG (51%, Hot Stamping and Coating) and Siemens AG (49%, Electronics) for the development and production of printed polymer electronics. PolyIC is headquartered in Fürth, on the premises of Leonhard Kurz GmbH & Co. KG.

PolyIC's webpage is accessible at www.polyic.com