Your Expert Network

Fraunhofer IFAM

Functional printing group with many years of experience in the areas of composites and nanocomposites, nanostructured functional materials, printed electronics and sensor systems.
www.ifam.fraunhofer.de

Fraunhofer IPT

Knowledge and experience in all fields of production technology for developing and optimizing solutions for modern production facilities.
www.ipt.fraunhofer.de

Fraunhofer ILT

One of the most important development and contract research institutes of laser technology worldwide.
www.ilt.fraunhofer.de

AACHEN CENTER FOR ADDITIVE MANUFACTURING

Platform for networking, education seminars, research and development concerning additive manufacturing.
www.acam.rwth-campus.com

KEX. Knowledge Exchange®

Professional technology and market information provider founded 2012 as a spin-off of the Fraunhofer IPT.
www.kex-ag.com

10 Minutes Initial Call

Contact the project leader now to learn more about the details:

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Or request Key Facts:
consortiumprojects2018@kex-ag.com

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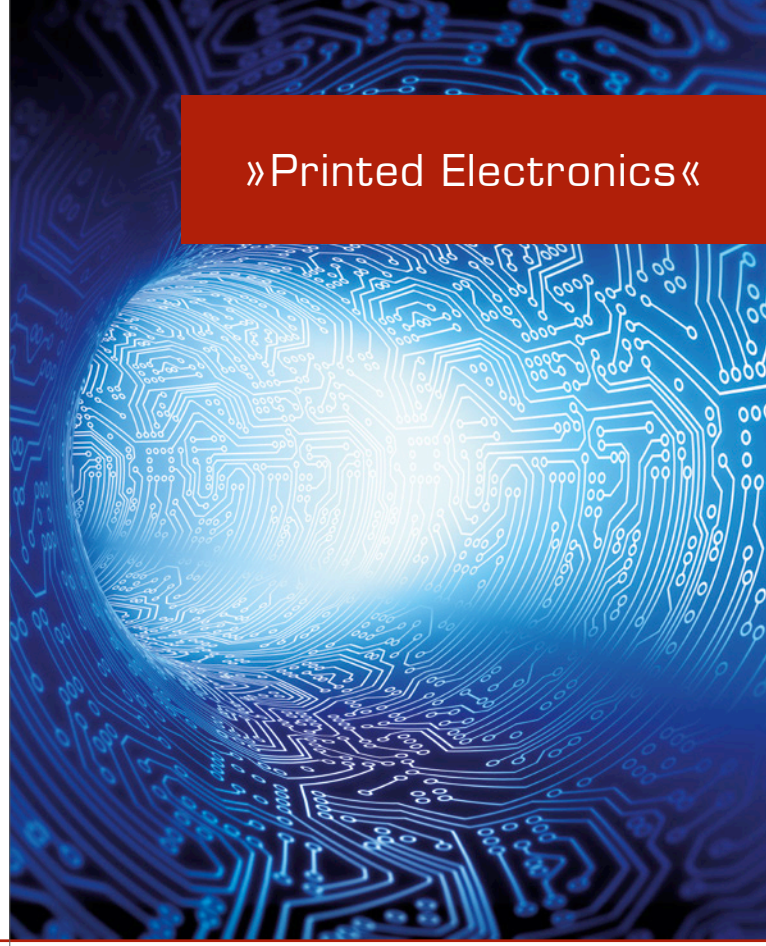


»Printed Electronics«

Call for Partners

Take part in our Consortium Project
Start: Q1 2019

KEX. Knowledge Exchange®

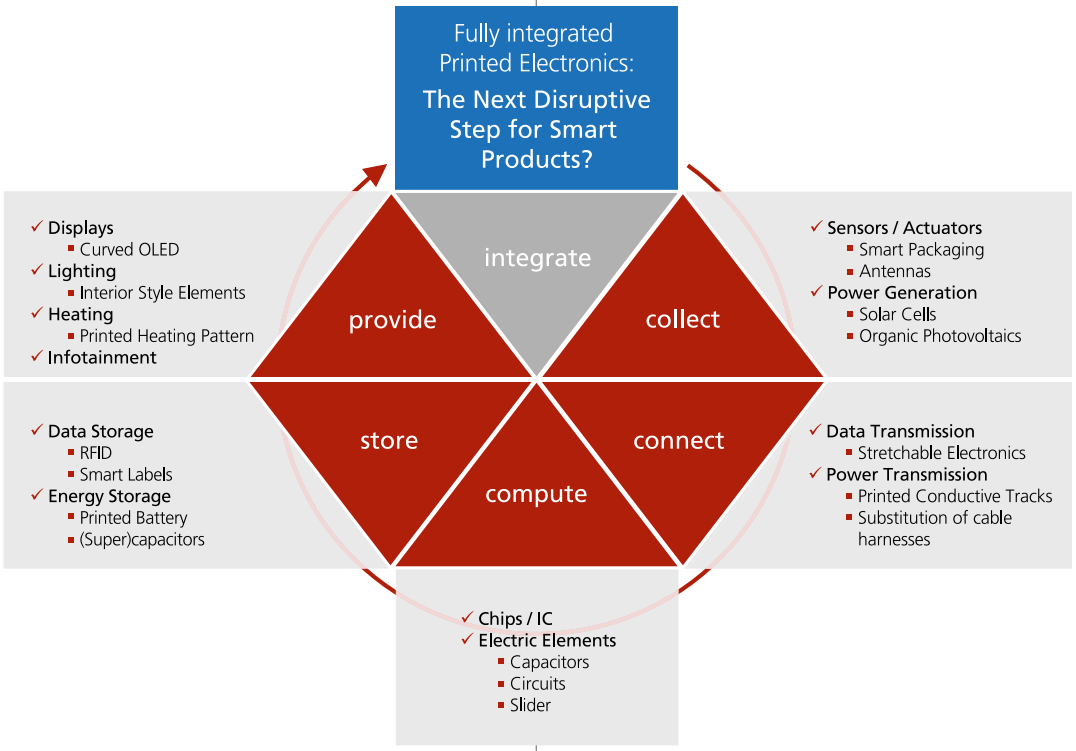
Why Printed Electronics?

The rapid development of additive manufacturing in recent years has reached the printed electronics sector. Besides the established 2D & 2.5D based techniques, also **functionalized 3D-printed components are feasible now** by utilizing new processes with unique and disruptive properties.

Now it is time to identify **suitable applications and additional services** which can leverage the potential of this technology to the full extent. But which of the numerous printed electronics processes are suitable for the specific applications and how do they compare **economically and technologically** with conventional processes?

Why KEX?

- **We are independent of technology solutions.**
  As a professional information service provider we can guarantee an objective evaluation.
- **We consider all relevant technologies.**
  As a spin-off of the Fraunhofer IPT we bring together the expertise of international companies, the Fraunhofer Institutes and the RWTH Aachen University.
- **We have access to a broad information base.**
  We use intelligent knowledge management systems, analysis tools and exclusive database connections.
- **We promote valuable exchange.**
  Our established consortium approach enables intensive networking with cross-industrial partners and R&D experts.



Integration Potential of Printed Electronics

Project Timeline and Major Outcome

Stage 1: Pilot Analysis

Receive a structured overview of both mature and new, innovative 2D, 2.5D & 3D technologies. Learn from established solutions and innovative approaches in other industries.

Stage 2: Technology/ Market Analyses

Understand the technological potentials and constraints of applications you selected to discover the most relevant target markets and applications.

Stage 3: Business Cases/ Roadmaps/Prototyping

Gain an information base for a strategic decision regarding the use of printed electronics in your business and use the consortium for the first implementation of new ideas.

Kick-off
Q1 2019

Stage 1

1st Report
Q2 2019

Stage 2 (W, W, W)

Networking Event

2nd Report
Q3 2019

Stage 3 (W, W)

Final Meeting
Q1 2020

(W) Workshop

General Conditions

- Approx. 20 consortium partners
- € 25,000 per partner
- Kick-off and 2 interim selection meetings
- Final presentation and report