



Organic and Printed Electronics – Paving the way for novel applications

Basmati Workshop Nov 11, 2016, Barcelona

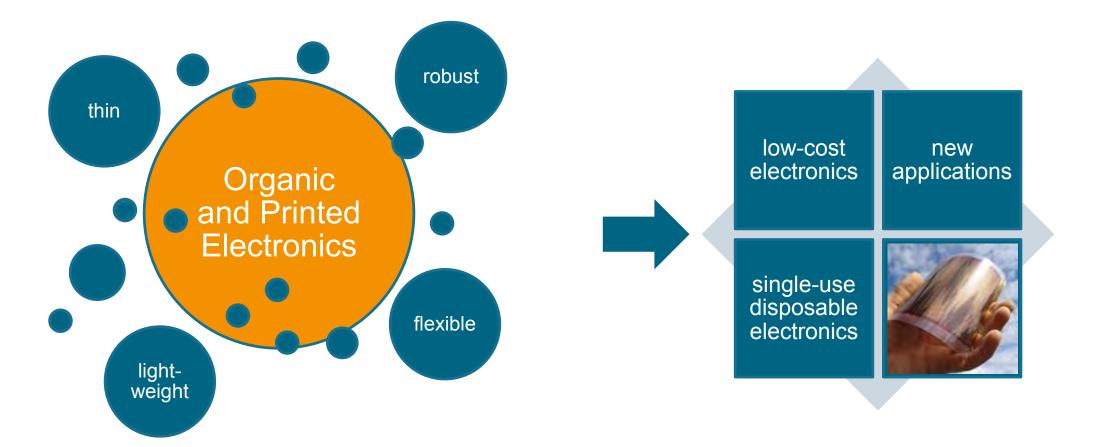
OE-A Frankfurt, Germany www.oe-a.org klaus.hecker@oe-a.org A working group within



Organic and Printed Electronics

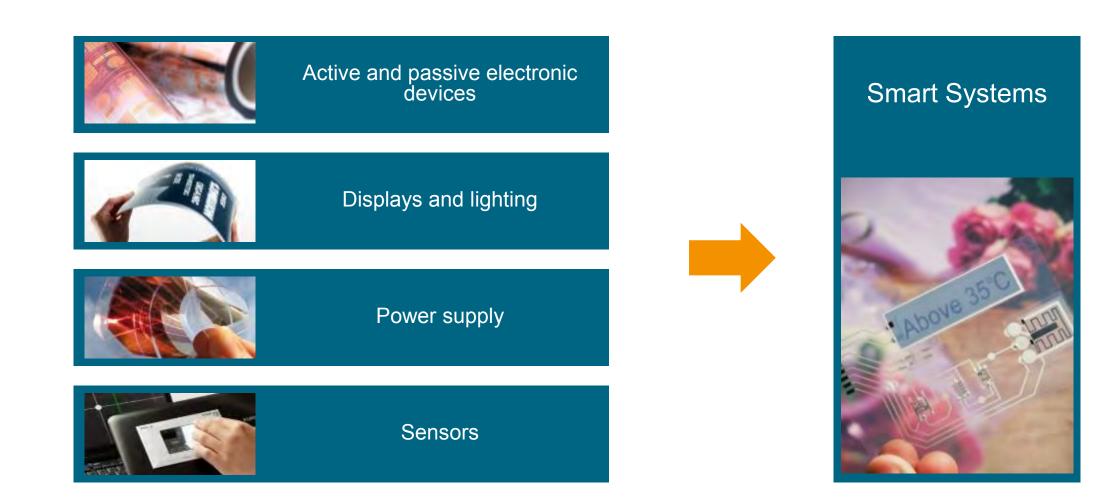






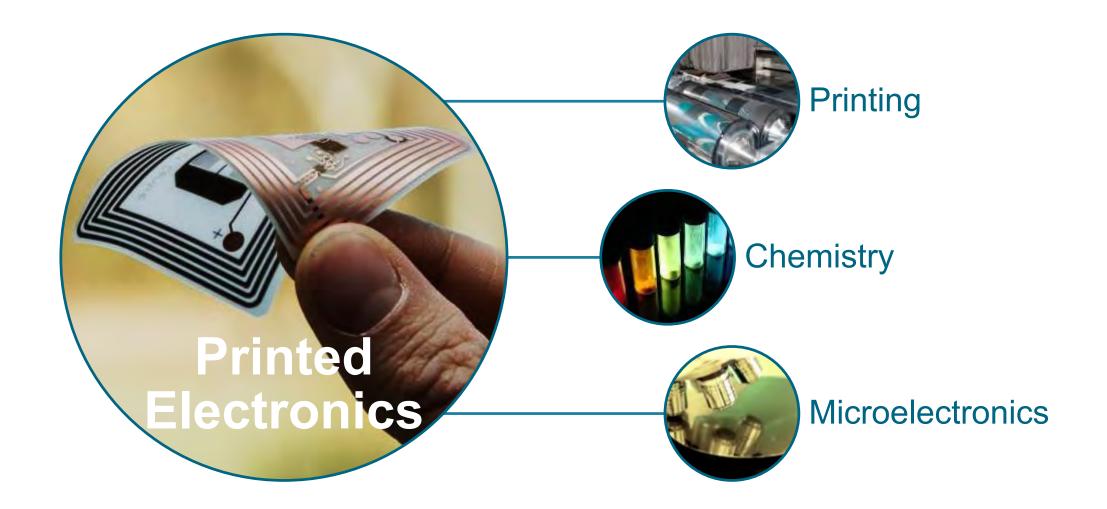
Organic and Printed Electronics Examples of OPE

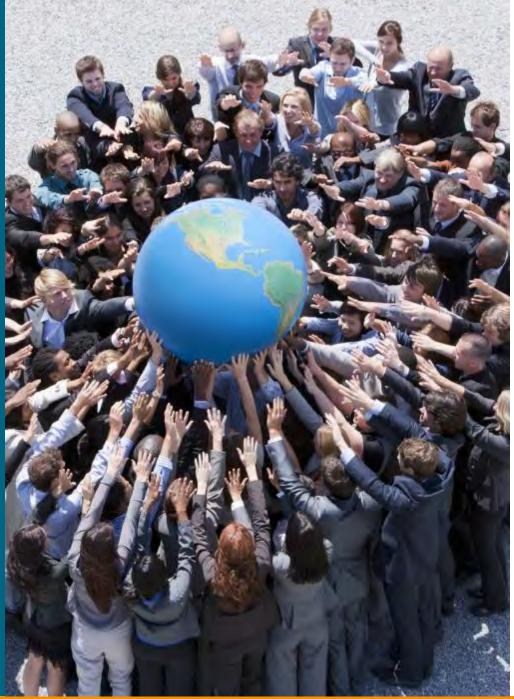




Organic and Printed Electronics Interaction of several fields







OE-A - Overview



Global non-profit industry association for organic and printed electronics, driven by over 230 international members

OE-A is a working group within VDMA

Our members represent the entire organic electronics value chain:

- » End-users
- » Producers & system integrators
- » Equipment & tool suppliers
- » Component & material suppliers
- » R&D institutes & universities

OE-A's key activities

- » International networking & communication platform
 - Frequent Working Group Meetings in Europe, North America, and Asia
 - Seminars & joint booths at international conferences and trade shows
- » Market & technology information
- » Research & development
- » Education & Training
- » Standardization
- » Global visibility
- » Representation of interests & funding



LOPEC 2017, March 28-30 ICM Munich, Germany

The central marketplace for Organic and Printed Electronics

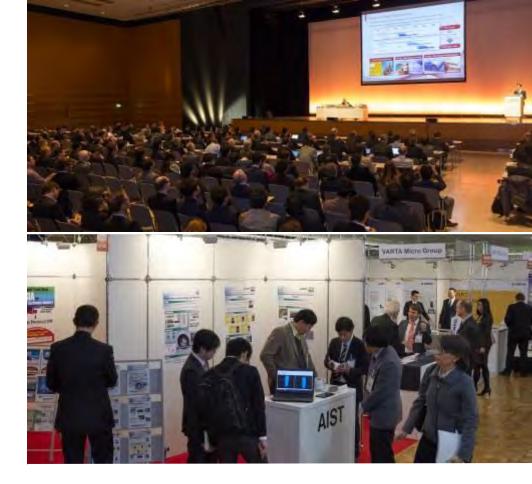
- » 2,300+ attendees
- » 140+ international exhibitors
- » 190+ presentations

Exhibition

- » Largest industry exhibition in the field
- » On-site production on demo line

Conference

- » Business, Technical, Scientific Conference
- » Pre-conference seminars
- 10% discount for OE-A members

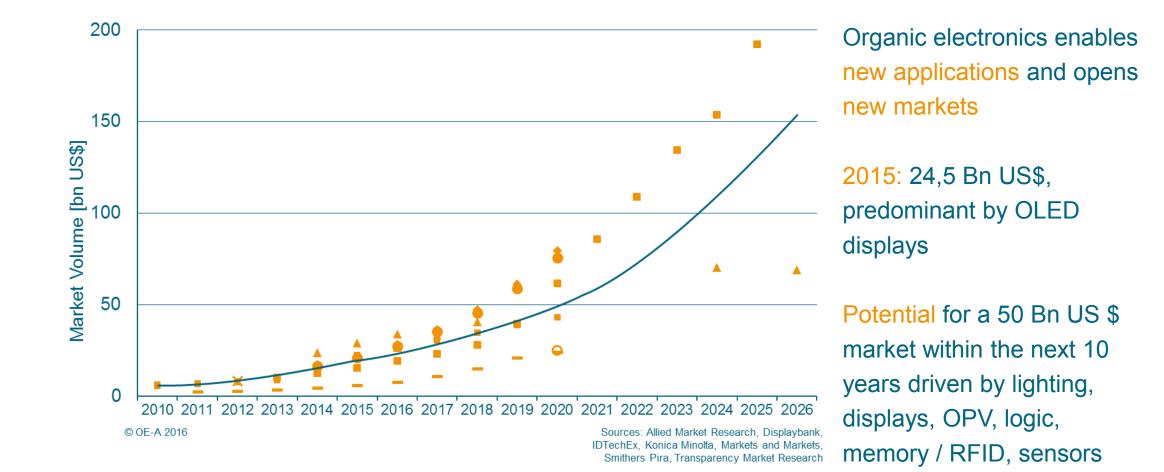




www.lopec.com

Organic and Printed Electronics A Multi-Billion \$ Market





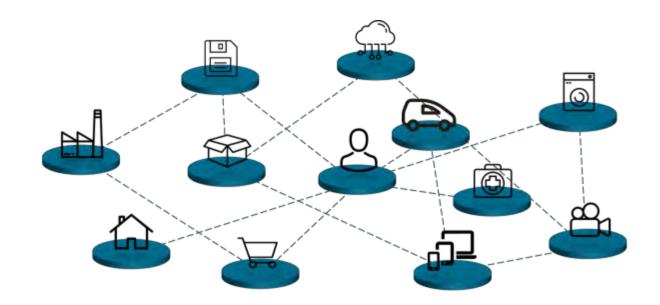
The Internet of Things – Electronics everywhere



Every object will be equipped with a unique digital ID and communicated autonomously

Device requirements

- » Sensing & data transfer
- » HMI: signalling & interaction
- » Energy management / power autonomy

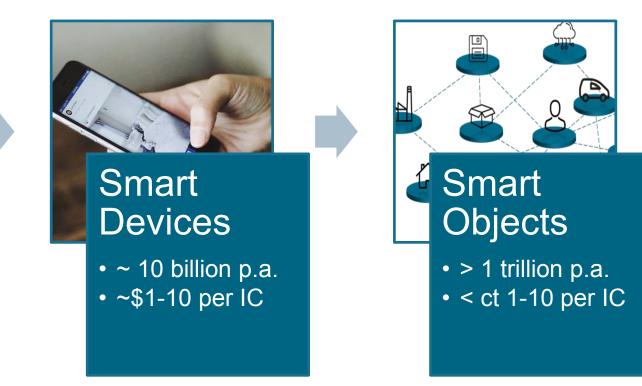


The Internet of Things – Electronics everywhere



"Evolution of electronics"

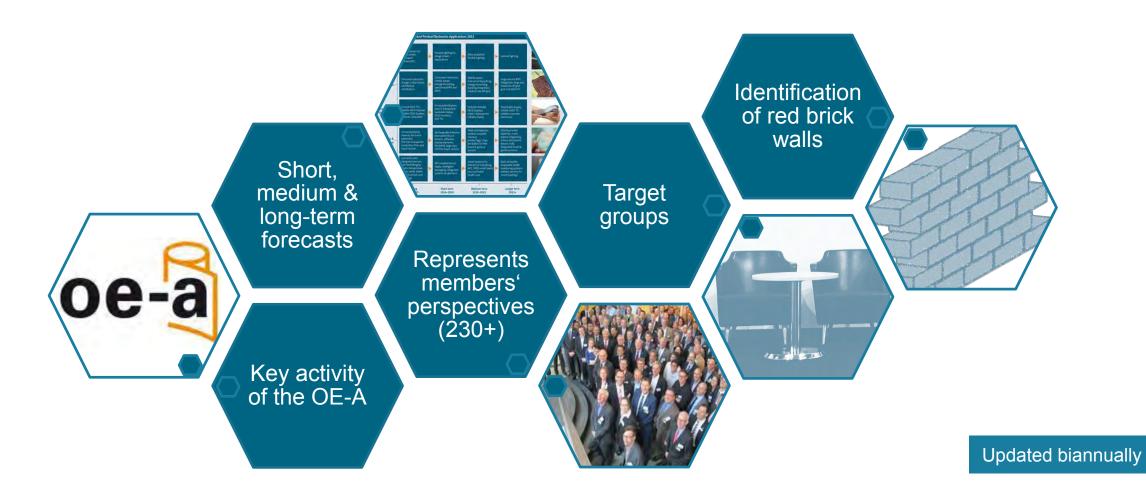




Source: PragmatIC; image source: Unsplash, OE-A

OE-A Roadmap for Organic and Printed Electronics 6th Edition





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Image source: Novaled, FhG ISE, Thinfilm, Plastic Electronics, OE-A

OE-A Roadmap, 6th edition

OE-A brochure "Summary – OE-A Roadmap, 6th edition", March 2015

- » Includes Roadmap summary article as well as information on OE-A and its services
- » Available for download at www.oe-a.org/downloads

White Paper "OE-A Roadmap for Organic and Printed Electronics, 6th edition", June 2015

- » Full text, all graphics, 130+ pages
- » Members: Free access to printed and pdf version & Annex with detailed tables available
- » Non-members: For sale at www.oe-a.org



Scheduled Meetings



7th OE-A Asian Working Group Meeting

» February 14, 2017 (day before Printable Electronics Japan) Tokyo, Japan Joint meeting with JEITA, JAPERA & JAPEC

13th Annual General Assembly / 40th Working Group Meeting

» March 27, 2017 (day before LOPEC) Munich, Germany

41th Working Group Meeting

» Oct. 2017 hosted by CDT, Cambridge (UK) Additional one-day industry workshop JEITA

CLOPEC International Exhibition and Conference for the Printed Electronics Industry

C|D|T

OE-A @ International Trade Fairs and Conferences 2017 (preliminary)

CES

» January 05-08, 2017, Las Vegas, NV (US) OE-A conference track "Printed Electronics: Enabling the Future" on Jan. 06

innoLAE

» January 31-February 01, 2017, Cambridge (UK) OE-A presentation; joint OE-A / LOPEC booth

LOPEC

» March 28-30, 2017, Munich (DE) OE-A booth

interpack

» May 04-10, 2017, Dusseldorf (DE) OE-A booth, part of VDMA Food Processing and Packaging Machinery booth

productronica

» November 14-17, 2017, Munich (DE) joint OE-A / LOPEC booth





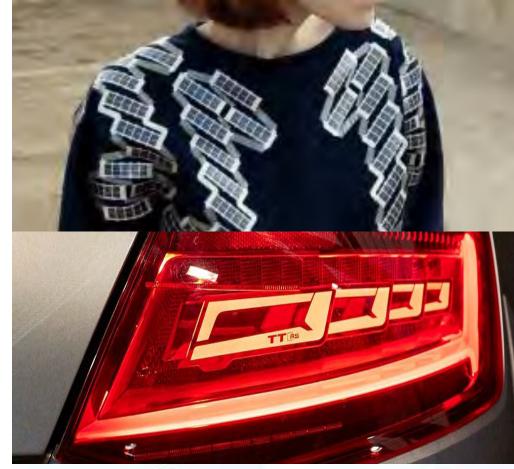




Consumer

Conclusion

- » Organic and printed electronics enables new business opportunities
- » Key industries like automotive, healthcare, consumer electronics already use organic and printed electronics on a large scale
- » Flexible & printed batteries as major enabling technology for IoT
- » Cooperation along the value chain is key for success









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OE-A (Organic and Printed Electronics Association) – A working group within VDMA



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