

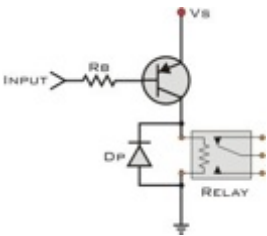
Shaping the Third Industrial Revolution

Indro Mukerjee, CEO - 14 November 2012

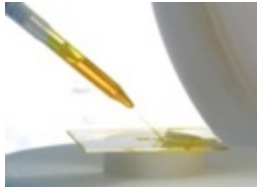
[10th Anniversary High Value Manufacturing Conference 2012 Cambridge](#)

From Science Project to Industrial Reality

Revolutionising the basic building block of all electronics



Basic transistor



10+ transistors



100+ transistors



1.2 M transistors



Colour EPD



2.8 M transistors

Silicon

Plastic

Research, Process Development and Manufacturing



Cambridge University
- research in organic electronics



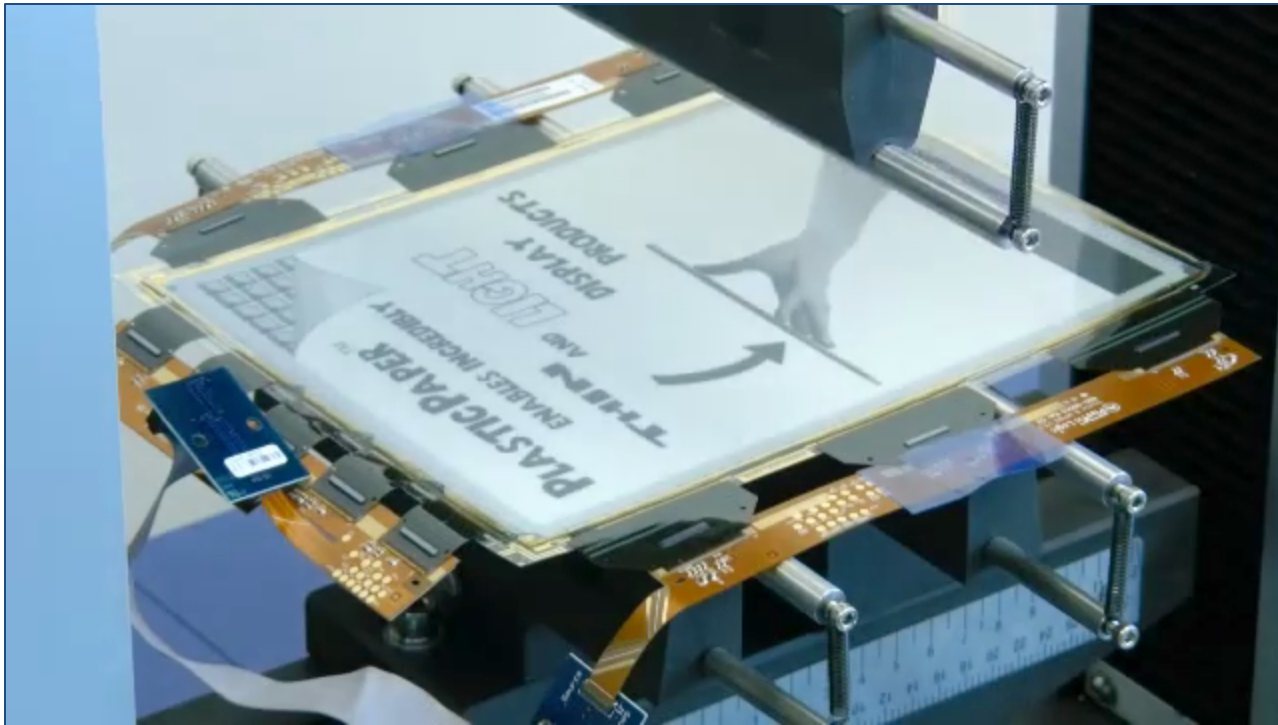
Cambridge Technology Centre
- translating research into products



Dresden Display Factory
- first plastic electronics factory in the world

Global Leader

Flexible Display Technology

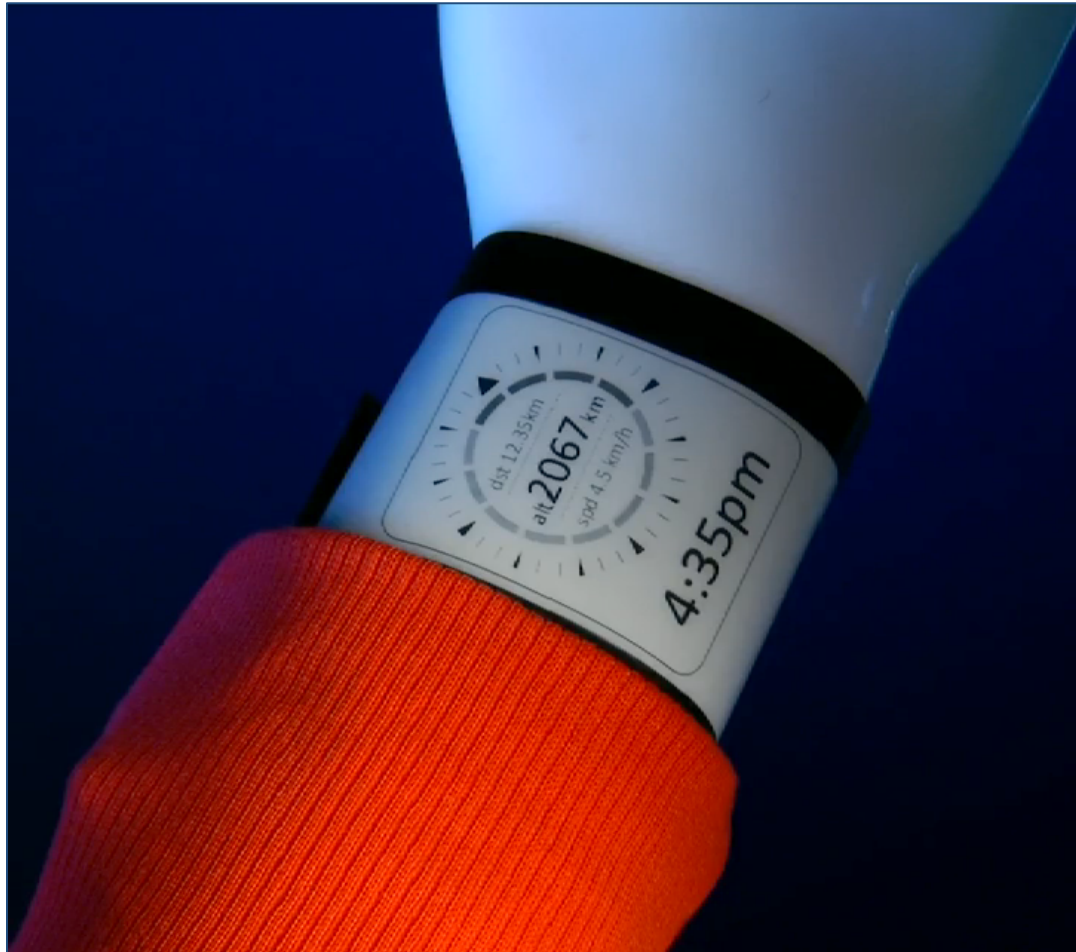


Continually Pushing the Boundaries

Colour EPD driven by organic TFTs

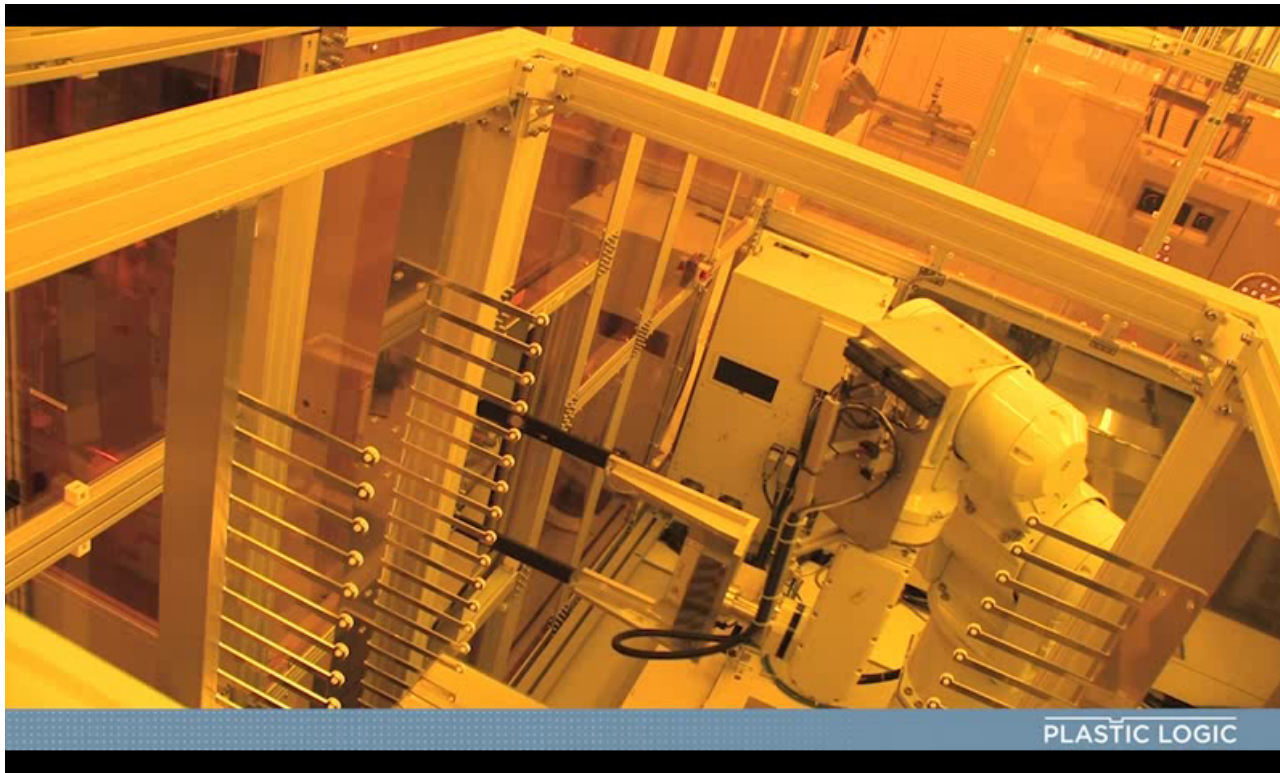


Enabling Innovative Product Concepts



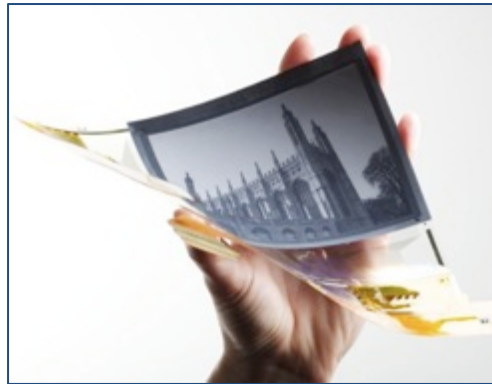
Practicing HVM in Europe

Plastic Logic factory → flexible plastic displays (1" to 20")



Focus on Your Strengths

Hybrid manufacturing approach developed
→ printing processes + traditional manufacturing techniques



The result: High resolution plastic displays in varying sizes

Towards the Third Industrial Revolution

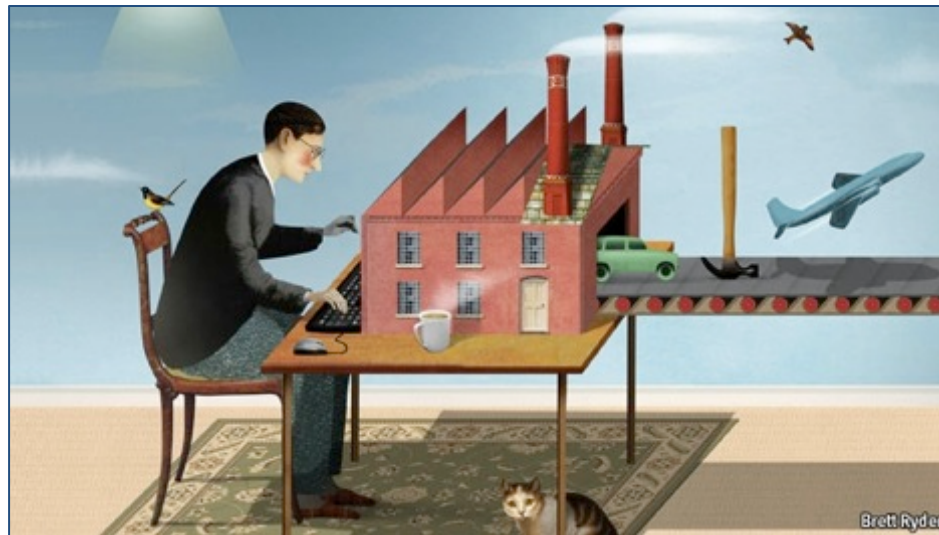
1st



2nd



3rd



Source: The Economist, April 2012

The Way Forward

'Additive manufacturing'

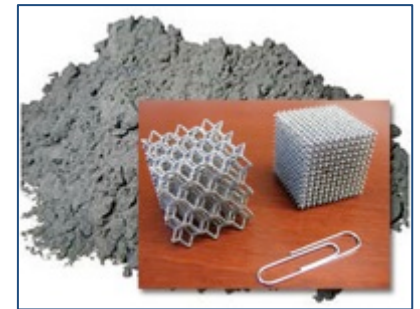
"...could bring some of the jobs back to rich countries that long ago lost them to the emerging world." Paul Markillie in *The Economist*, April 2012



Source: Dedicated Follower



Source: University of Hasselt



Source: NIST

3D Printing

Lower volumes

Printing processes

Faster production times

Fully customised

'Rapid prototyping'

Intelligence Requires Plastic

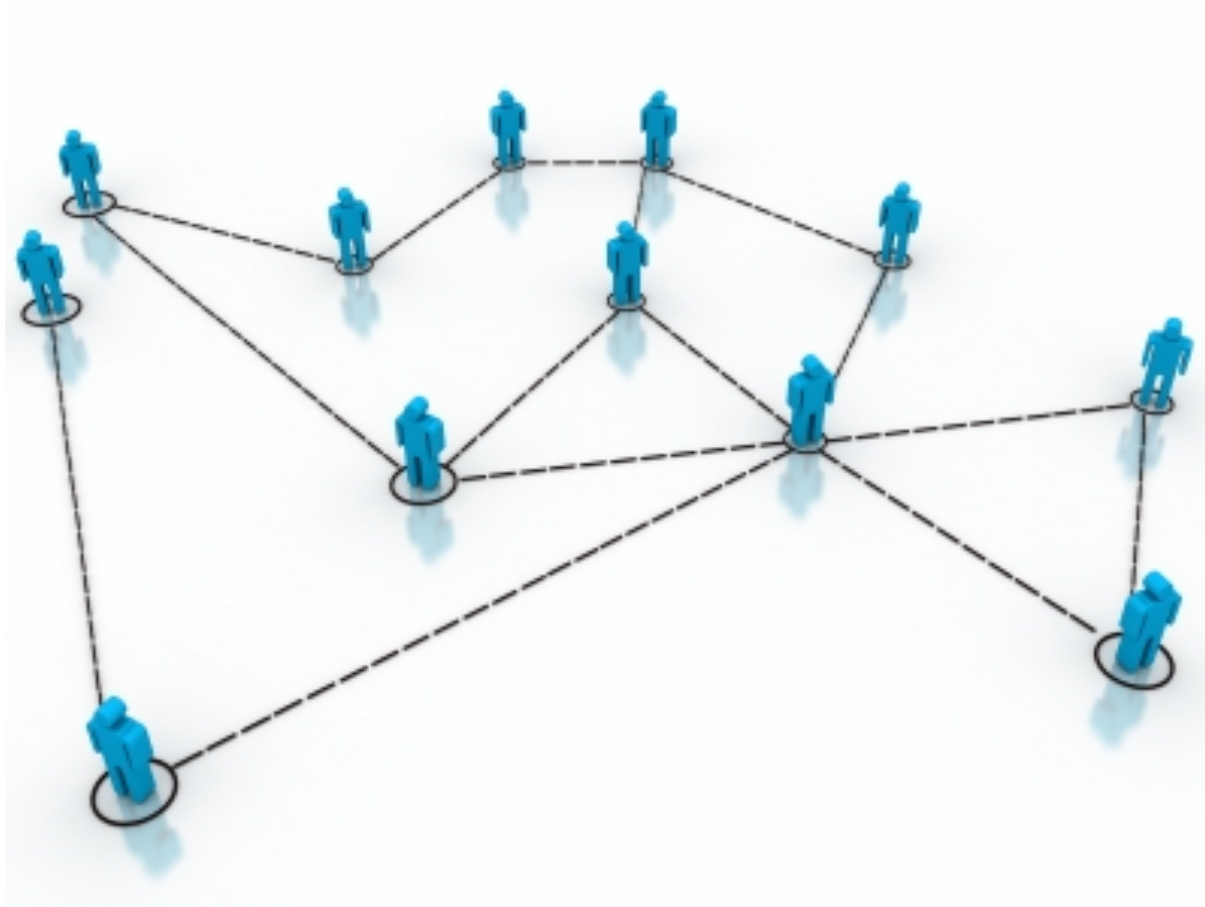
- Transition from a printed car part to the printed car
→ printed transistors necessary



Source: CPI

- Integrated electronics
→ flexibility and conformability are key requirements

Ecosystems are Key



Shaping the Future Together

We are open and ready for partnerships to realise our vision.



Manufacturing | Technology Development | Market Access

Experience Plastic Electronics in Action

Visit our booth at today's 10th High Value Manufacturing conference

or

take a virtual tour through the world's first production facility for plastic electronics and see the technology itself, including application concepts it enables, in action online:



PLASTIC LOGIC

www.plasticlogic.com

Please contact: info@plasticlogic.com