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1. SmartEEs - At a glance

Support the European Industry in reinforcing its competitive advantage by accelerating the integration of Flexible Electronics into novel products

**Innovation Action:** Call: ICT- 04-2017

**Number of partners:** 10 partners (8 EU countries)

**Grant:** 4.5M€

**Duration:** 36 months

**Expected results:** 20 Application Experiments worth 2.8 M€ support (62% of the grant)

The SmartEEs project has received funding from the European Union’s Horizon 2020 Research and Innovation program under Grant Agreement nº 761 496
2. Context - Smart Anything Everywhere

8 Digital Innovation Hubs sustaining the SAE initiative towards the digitization of the European Industry

Cluster Projects

**ICT-04-2014**

**EuroCPS**
A network of design centres boosting and initiating synergies between SMEs, major CPS-platforms and competency providers to capture the emerging markets of IoT products. 30 experiments initiated and led by SMEs.

**CPSE Labs**
CPS engineering infrastructure, knowledge and tools for realising novel CPS-based products and services. The CPSElabs marketplace provides an open forum for sharing platforms, architectures and SW tools for the engineering of dependable and trustworthy CPS. Focussed experiments (3-6 partners) and fast-track (12-18 months) with innovation objective.

**gateone**
Innovation service for European smartization by SMEs. 20% of bioelectronics technologies. 50 small scale experiments to deliver innovation concept as demonstrators with SMEs engaged in testing phase.

**ICT-04-2017**

**fed4SAE**
CYBER-PHYSICAL AND EMBEDDED SYSTEMS

**tetramax**
CUSTOMISED LOW ENERGY COMPUTING POWERING CPS AND IOT

**diatonic**
ADVANCED MICRO-ELECTRONIC COMPONENTS AND SMART SYSTEM INTEGRATION

**SmartEES**
LARGE AREA ELECTRONICS

SmartEES - Acceleration program bringing flexible electronics product to life
2. Context - Smart Anything Everywhere

What are Digital Innovation Hubs (DIHs)?

DIHs are ecosystems that consist of SMEs, large industries, start-ups, research technology organizations, innovation & business developers, investors, industrial clusters & associations, representatives of regional/national funding agencies,…

DIHs help ensuring that every company, small or large, high-tech or not, can grasp the digital opportunities.

DIHs aim at creating the best conditions for long-term business success for all parties involved.
3. Application - Flexible Electronics
3. Application - Flexible Electronics

**An estimated 62 billion euros market by 2027** *(source OE-A)*

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<th>Automotive</th>
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<td><strong>Building &amp; architecture</strong></td>
<td><strong>Medical &amp; pharmaceutical</strong></td>
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<td><strong>Others</strong></td>
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**In comparison**

- **2017 global semiconductor market: 320 billion euros** *(source Statistica)*
- **2017 Smart sensor market: 49 billion euros** *(source Markets and markets)*
4. Acceleration program
A full set of actions to accelerate Flexible Electronics integration

An original European acceleration program dedicated to outreach and help innovative companies to access new markets and grow their business in adopting flexible electronics in new products lines

20 funded projects (*Application Experiments*) to be supported
Up to 165k€ investment per project
*Call for projects – 5 cut off dates*
4. Acceleration program
A full set of actions to accelerate Flexible Electronics integration

For start-ups, SMEs and Mid-caps to:

**Access Competencies**
- Competencies in design and technologies integration
- Competencies in innovation management (business & funding)

**Leverage up to 165 k€ investment**
- Direct service (up to 80k€)
- Voucher financing (up to 60k€ *)
- Up to 25k€* of in-kind contribution
- Prepare next steps financing

* 70-30 % H2020 funding rules for Private Companies

**Develop new product**
- Bring new functionalities to your products
- Design a first prototype, scale-up study and sustainability
- Production agility: adapted for low to high volume markets

**Open new market/business opportunities**
- New value chain building
- Strengthen competitive positioning
- Explore new markets
5. Value proposal
Benefit from large portfolio of solutions to develop your product

Access to more than 35 electronics flexible solutions to design your product:

- Organic photovoltaics
- Flexible displays
- OLED Lighting
- Electronics & components and Integrated Smart Systems
5. Value proposal
A full package from technology to business

A high **complementarity of technologies** integrating flexible electronics into printings, textiles, paper, plastronics, HMI's,...

**All inclusive features** for **smart products & market entrance**:
from hardware to software and connectivity with bespoke business models and value chains.

Access to an **unique community** with **business connections** and brokerage activities at European level.
5. Value proposal - Access to a unique community

A unique and connected international electronics landscape

10 partners

+ SmartEEs community

✓ 2 Associations
✓ 34 Clusters
✓ 8 Investors
✓ 18 Industrial companies
✓ New entrants
5. Value proposal - Expected results and impacts

✓ New products and new business models

✓ Market revenues increase for innovative companies & whole ecosystem

✓ Contribution of private investments

✓ Enlarged community & ecosystem

✓ Sustainability of SmartEEs with continuity plan
6. Application Experiments - Who can apply

- SMEs, start-ups and Midcaps
- Tech (innovative companies) or non tech (traditional industries)
- From all activities fields

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6. Application Experiments - How to apply

1. Check out the SmartEEs Showroom on the web platform www.smartees.eu

2. Discover & review more than 35 electronics flexible solutions to feed your product ideas

3. Download the Call documents
   - Text of the Call
   - Application Form
   - Application Guidelines
   - SmartEEs Financial Guidelines for Application Experiments
   - Service Delivery Agreement (SDA)

4. Submit your project online through the application form

5. Contact the HelpDesk if any inquiries
6. Application Experiments - Process & service delivery

(IC = innovative company = third party beneficiary of SmartEEs)
6. Application Experiments - When to apply

Open call calendar

- 5 cut-off dates:

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<th>Cut-off</th>
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<tr>
<td>1st Cut-off</td>
<td>19th of March 2018</td>
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<tr>
<td>2nd Cut-off</td>
<td>20th of July 2018</td>
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<td>3rd Cut-off</td>
<td>16th of November 2018</td>
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<td>4th Cut-off</td>
<td>19th of April 2019</td>
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<tr>
<td>5th Cut-off</td>
<td>20th of September 2019</td>
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6. SmartEEs – Contacts

• **www.smartees.eu**
  - Linkedin: *SmartEEsEU*
  - Twitter: *@SmartEEsEU*

• **SmartEEs project coordinator**
  - Jérôme GAVILLET: [jerome.gavillet@cea.fr](mailto:jerome.gavillet@cea.fr)

• **SmartEEs project manager**
  - Minja MARIC: [maric@amires.eu](mailto:maric@amires.eu)
THANK YOU