



SmartAnythingEverywhere



European Initiative  
**Smart Anything Everywhere**



# Smart Anything Everywhere

## Empowering SMEs in the Digital Age



**Smart4Europe2** has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No. 872111.



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# The Strategy Behind: Digitizing European Industry

## Mission:

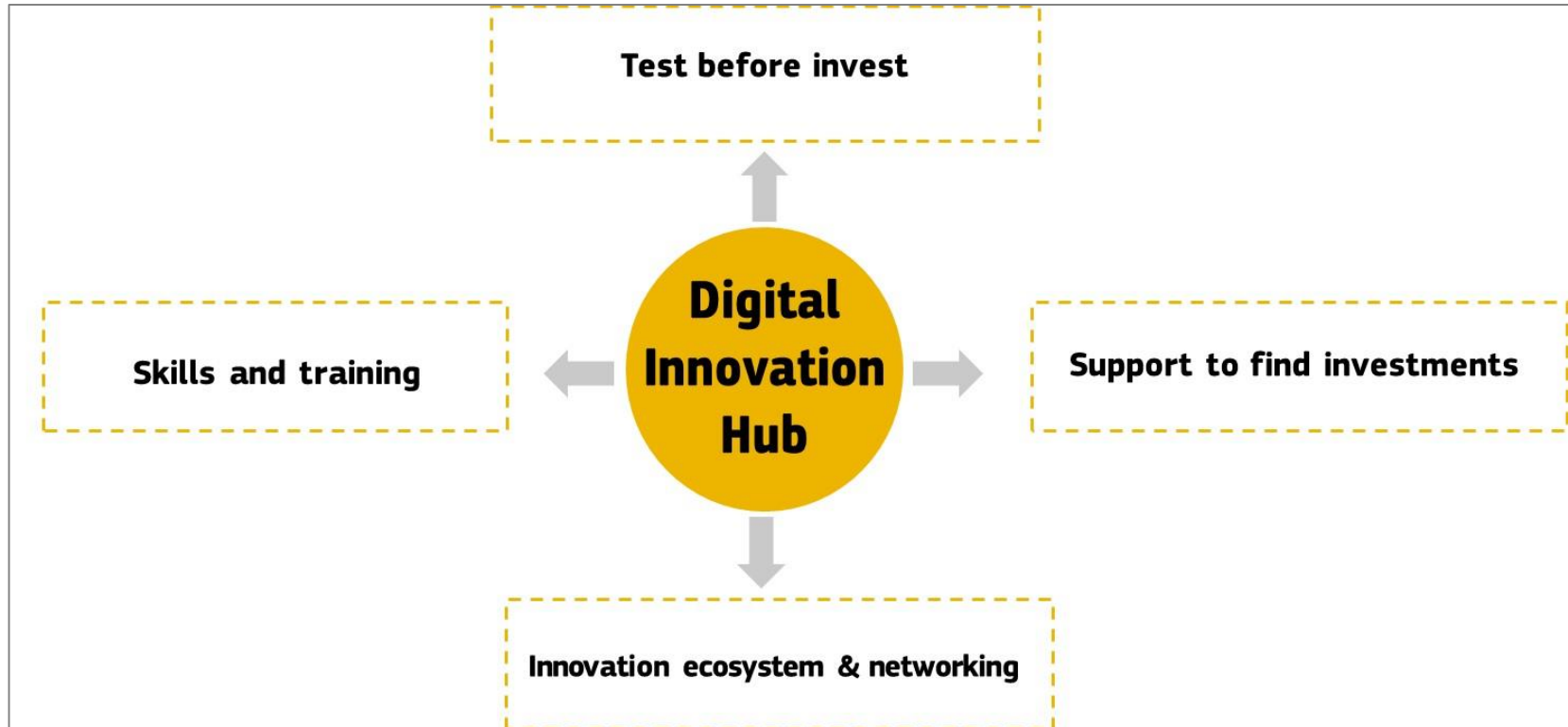
To ensure that any industry in Europe, wherever situated and in any sector can fully benefit from digital innovations



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## Digitizing European Industry Initiative (DEI)





**DIHs support companies, in particular SMEs, and public organisations in their digital transformation**



# Goals of the SAE Initiative



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To support **European start-ups, SMEs, mid-caps** (and public organisations) in their **digital transformation**



To build and consolidate a **sustainable pan-European network** of **Digital Innovation Hubs (DIHs)**



# EU Initiatives



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European DIH Initiatives include



# Evolution of the SAE Initiative



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H2020  
Creating a well-functioning  
ecosystem

## PHASE 1

- Gateone, Smarter-SI
- EuroCPS, CPSELabs

H2020  
Growing the ecosystem to its  
European dimension

## PHASE 2

- SmartEEs
- diatomic
- FED4SAE
- TETRAMAX
- Smart4Europe

H2020  
Widening the pan-European  
network of DIHs

## PHASE 3

- BOWI
- SMART4ALL
- DIGIFED
- HUBCAP
- DIH4CPS
- SmartEEs2
- Smart4Europe2

2015 | 2016 | 2017 | 2018 | 2019 | 2020



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- **Coordination and Support Actions (CSA):**  
“**Smart4Europe2**” to support the consolidation of a pan-European Network of DIHs and support stakeholders of the ecosystem
- **Innovation Actions (IA):** Networks of DIHs providing expertise and Cascade Funding through Open Calls to support SMEs and mid-caps

SAE aligns different Projects (Innovation Actions)  
in various Technology Areas





# Adressed Areas in Phase 3



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**Cyber-Physical and Embedded Systems**



**Customised Low Energy Computing powering  
Cyber-Physical Systems and the Internet of Things**



**Flexible and Wearable Electronics/  
Organic Large Area Electronics**



**Widening Digital Innovation Hubs**

The IAs offer funding to **SMEs and mid-caps** to enhance their products and services through the inclusion of **innovative digital technologies**.



# Funding & Open Calls



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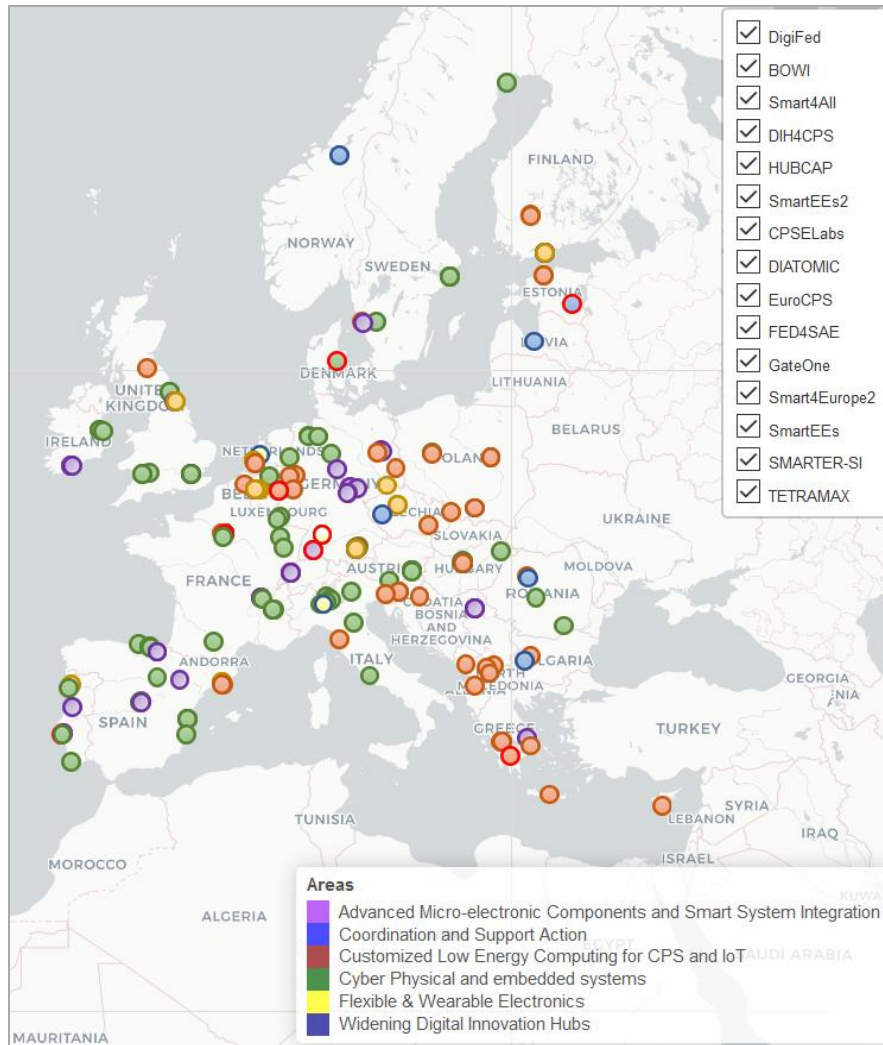
- Companies can apply for funding through Open Calls in their corresponding Technology Areas.
- Guidelines on how to apply for funding and application documents are provided by every Innovation Action directly.
- All-in-all, **64M€ of funding are available** stimulating the uptake of advanced digital technologies by European industry especially in sectors where digital technologies are underexploited.



# SAE - Innovation Portal



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## Funding Opportunities

**Funding easily explained**  
How does it work? Who is eligible for funding and what rules are to follow? Find here some general information!

[FURTHER INFORMATION](#)

**SAE aligned Innovation Actions**  
Find here further information on SAE Innovation Actions offering funding in your SAE's Technological Area

[OUR PROJECTS](#)

**Open Calls of all Digital Innovation Hubs**  
Find here an overview of all Open Calls from EU projects on Digital Innovation Hubs (SAE, JAXA, robotics, photonics, big data and Open DE)

[OTHER OPEN CALLS](#)

**Deadlines of Open SAE Calls**  
At a glance, find here all time periods of SAE Open Calls

[OPEN CALL DEADLINES](#)

### Open Calls of SAE aligned Innovation Actions

Logo	Status	Application Deadline	Technology Area
SMART4ALL	Currently Open	September 30th, 2020	SMART4ALL (FTTE)
SmartEEs	Currently Open	January 15th, 2021	SmartEEs
DigiFed	Currently Open	December 31st, 2020	DigiFed
HUBCAP	Currently Open	November 30th, 2020	HUBCAP
HUBCAP	Upcoming	February 28th, 2021	HUBCAP Experiment 2.1
HUBCAP	Upcoming	February 28th, 2021	HUBCAP Experiment 2.2
HUBCAP	Upcoming	May 31st, 2021	HUBCAP pull 1.3
SMART4ALL	Upcoming	February 28th, 2021	SMART4ALL (CTTE)



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The background is a dark blue gradient with several abstract elements. There are three large, semi-transparent circular patterns that resemble gears or stylized orbits, each with a central bright blue sphere. These circles are overlaid with horizontal blue lines of varying opacity. The text "What's in it for me?" is centered in a white, sans-serif font.

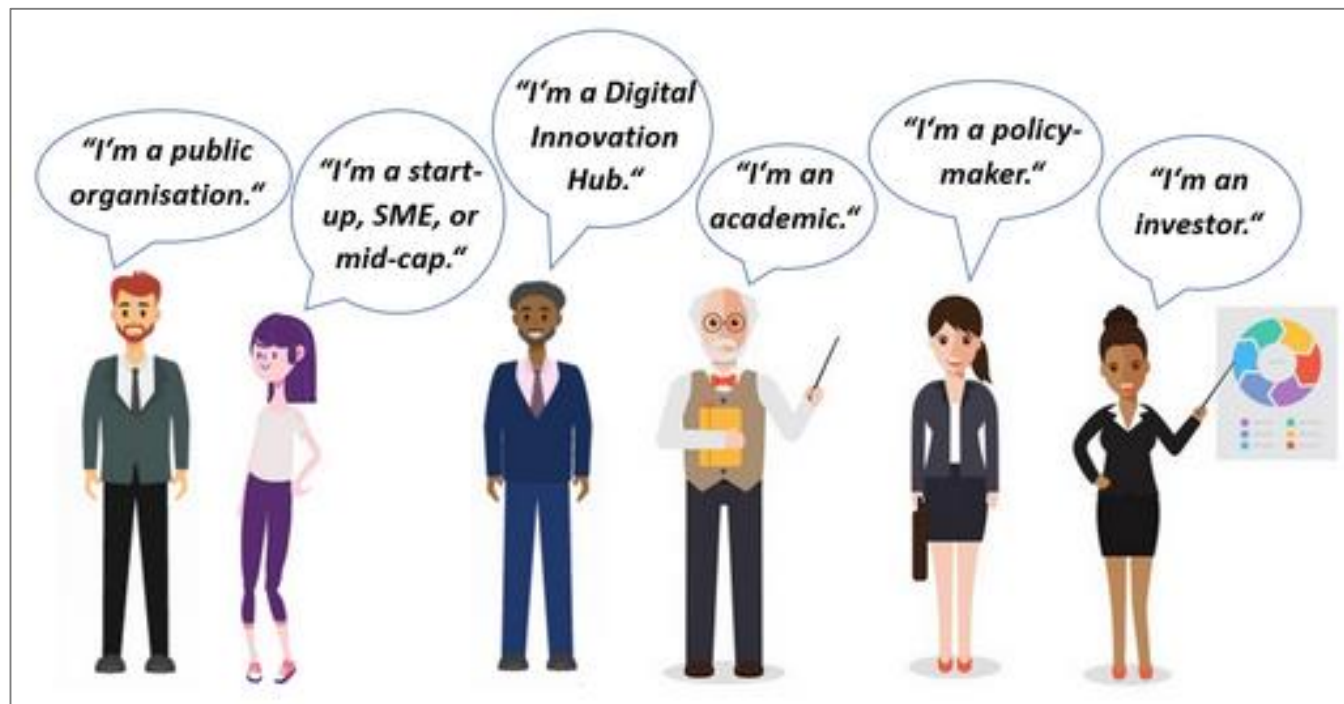
**What's in it for me?**



# What's in it for me?



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## All Stakeholders:

Networking & Ecosystem

Knowledge Exchange

Training & Mentoring

Market Place

Technology Radar

Link EU / national / regional Initiatives

## Start-ups, SMEs Mid-caps & public organisations:

Experimentation facilities to test before invest  
Knowledge, expertise & training  
Networking and ecosystem  
Funding and investments

Investor Events

DIH Network



# Success Story « Bettair »



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**Name:** Bettair: Mapping Urban Air Quality  
**Application Area:** Environment / Health  
**Supported by:** FED4SAE

**Problem:** Ambient **air pollution** kills over four million people every year, mainly in **urban environments** and the problem is being aggravated further by unprecedented **population growth in cities**.

**Solution:** Bettair® permits to **map air and noise pollution** in cities on a previously unimaginable scale, based on a large deployment of outstandingly accurate **gas sensors by using an advanced post-processing algorithm**.

The information provided by the bettair® platform allows cities to implement appropriate urban **plans to improve air quality** and to make smart and better decisions to mitigate air pollution.

<https://bettaircities.com>





# Success Story « AgriNav »



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**Name:** Helping small farmers benefit from variable-rate Fertilizer Technology

**Application Area:** Agriculture/ Environment

**Supported by:** Diatomic

**Problem: Over-fertilization** results in **algae overgrowth** in rivers and streams which leads to fish being killed. By **applying the optimal amount** of fertilizer, both the farmer and the environment benefit.

**Solution:** Development of **software & hardware** to adjust the quantity fertilizer applied. A **variable rate fertilizer spreader fitted to a small tractor** or an all-terrain vehicle (quadbike).

**Solution:**  
<https://agrinav.co.uk>



# Success Story « EMBRACE»



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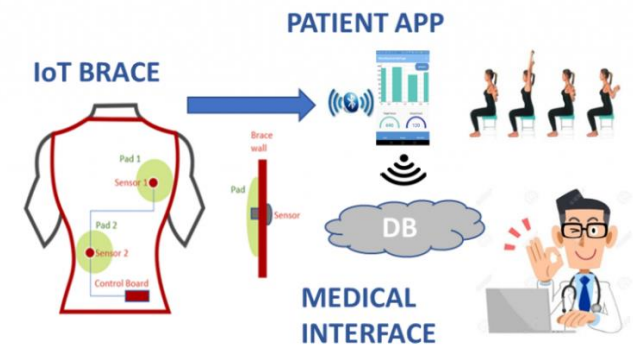


**Name:** Smart sensor for monitoring of scoliosis treatment braces  
**Application Area:** Health  
**Supported by:** FED4SAE

**Problem:** In scoliosis treatment, there is currently **no device available** to quantitatively **measure acting forces** inside the braces and to **monitor the wearing time** of the braces.

**Solution:** The project developed an innovative **plug & play wearable sensor kit for monitoring the pressure** inside scoliosis braces while improving the compliance with medical prescriptions as well the patient's active participation to reach satisfying results from the care treatment.

<https://fed4sae.eu/success-stories/embrace>



# Success Story « MEATRACK »



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**Name:** Miniature gas sensors for real time meat-freshness tracking  
**Application Area:** Food / Health  
**Supported by:** TETRAMAX

**Problem:** Ensuring highest **meat quality** and **avoiding health risks** from consuming spoiled meat is a major concern for producers, suppliers, and consumers.

**Solution:**  
MEATRACK aims to increase the smartness of refrigerators by developing and testing **miniature gas sensors for tracking real time freshness** of meat by using a patented **gas sensing technology** combined with an **AI solution** and software platform



<https://www.tetramax.eu/ttx/funded-projects>



# Success Story « 3DMA »



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**Name:** Flexible OLED and 3D wood composite (3DMA) for a touch-sensitive Smart Home device

**Application Area:** Building interiors / Smart Home Applications

**Supported by:** SmartEES

**Touch-capable OLEDs** that can be operated by the user through the **outer surface** of the wood, without shortening the lifetime, by means of an additional touch solution. A patented **wood-based composite** in which shields, functional elements and electronic components, as well as printed organic electronics can be implemented was developed. **The technical solution is open to electronic components and software solutions from third parties.**

The use of such new combined wood-high-tech products is located in the premium **product range of various markets**, e.g. and building interiors.

<http://www.3dma.de/>





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# SAE Market Place

Marta Pinzone, [marta.pinzone@polimi.it](mailto:marta.pinzone@polimi.it)

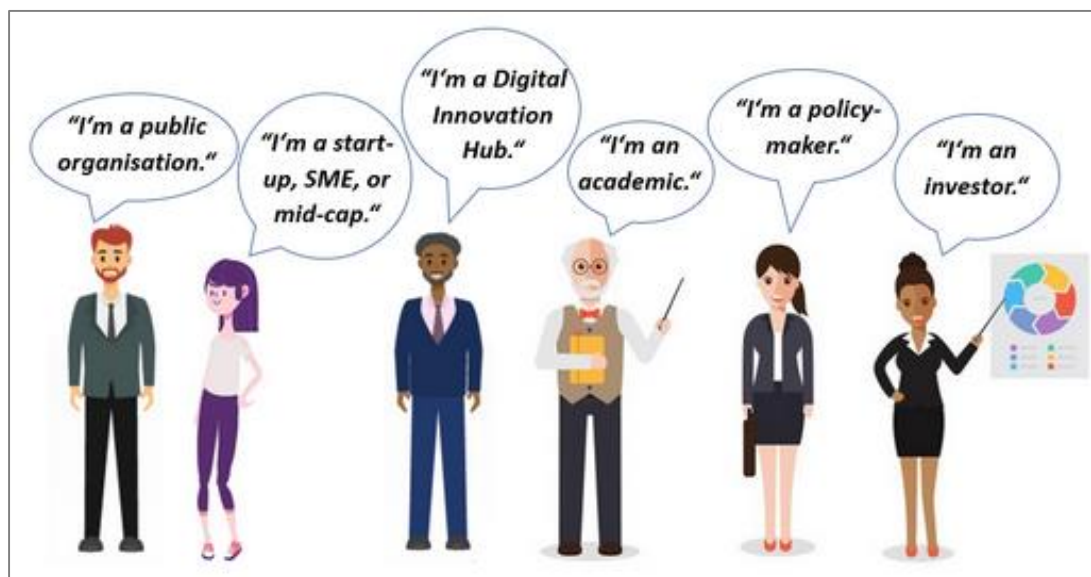


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The SAE MARKETPLACE makes it easy for DIHs, SMEs, RTOs and all interested stakeholders to **deep dive into the SAE offerings and connect with the right actor of the SAE ecosystem.**

**All registered visitors** can scout and get up-to-date information on **assets and services offered by SAE** Innovation Actions in the respective **technology areas.**





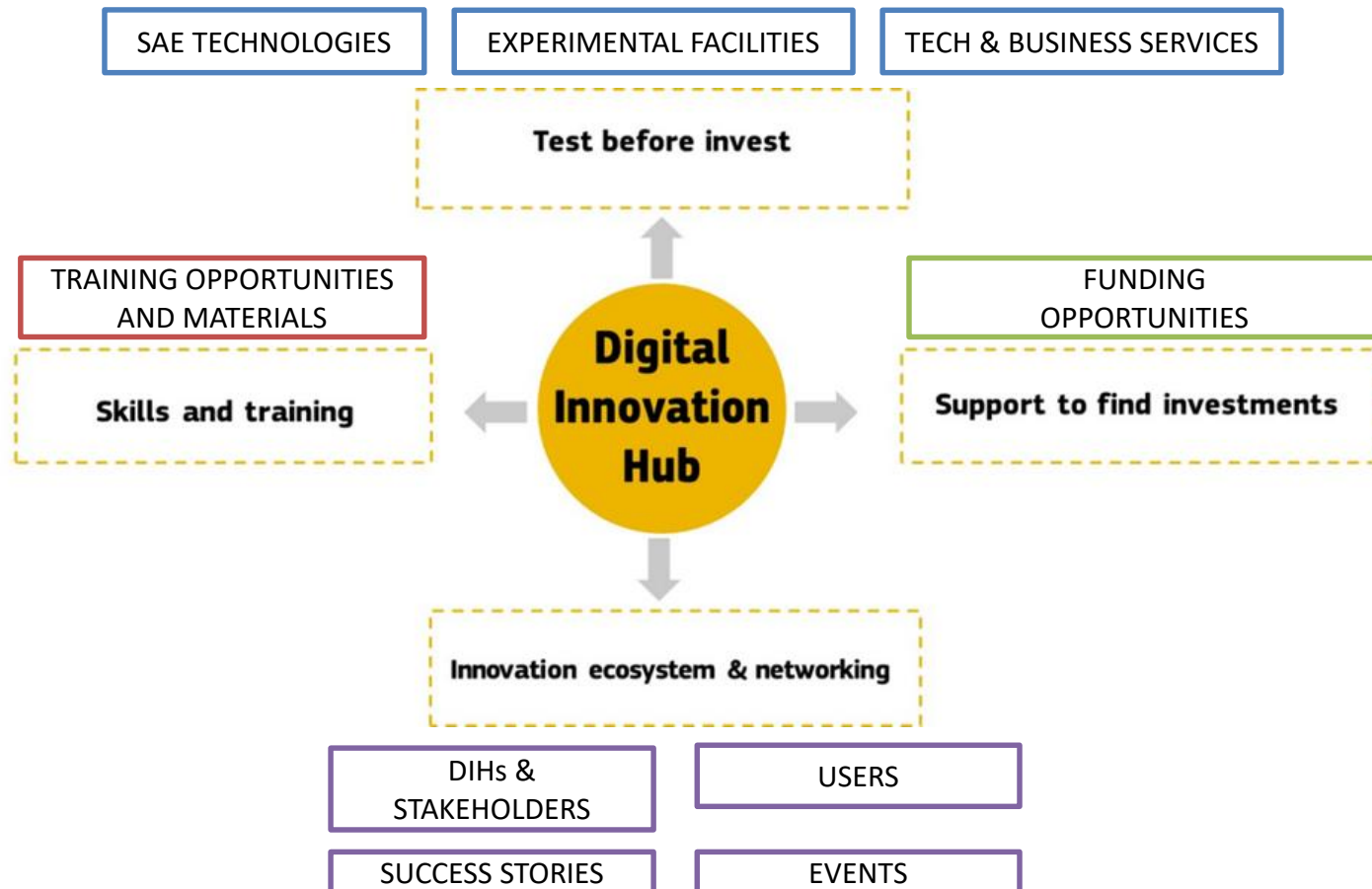
# SAE Market Place's Architecture



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Four main workspaces aligned with the structure of European Digital Innovation Hubs in the Digital Europe Programme



# Landing page



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The SAE marketplace can be accessed at <https://saemarketplace.eu> and via the SAE Innovation Portal <https://smartanythingeverywhere.eu/services/>.



Home

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Smart Anything Everywhere



## SAE MARKETPLACE

DISCOVER ALL SERVICES AND ASSETS OF THE SMART ANYTHING EVERYWHERE INITIATIVE AND  
EASILY CONNECT WITH OTHER ACTORS OF THE SAE ECOSYSTEM.

PRIVATE AREA LOGIN

REGISTRATION

PUBLIC SITE

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Powered by  
**DIH4WIRE**  
DIGITAL COLLABORATION HUB



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# SAE Market Place at a glance



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SAEMARKETPLACE

Marta Pinzone

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Innovation ecosystem and networking >

Test before invest >

Skills and training >

Support to find investment >

Collaboration Space >

Innovation Space >

### Innovation Ecosystem and Networking

Benefit today! Research and join your value chain across Europe

[Users](#) [stakeholders](#) [Success Stories](#) [Calendar of Events](#)

[Matchmaking](#)

### Test before Invest

With support access digital transformation testing and experimentation facilities

[SAE Technologies](#) [SAE Experimental Facilities](#)

[Technical & Business Services](#)

### Innovation Spaces

Exchange your digital transformation journey to accelerate your learning

[Idea management system](#) [Challenges](#)

### Support to find investments

Get impartial local advice on funding or financing for your digital transformation

[SAE Funding Opportunities](#)

### Collaboration Space

Take action! Collaborate with research and innovation actors across Europe

[Blogs](#) [Discussions](#)

### Skills and Training

Access recommended training or an internship to advanced your digital skills

Last updated 3 mins ago

[SAE education and training opportunities](#) [Skills and training materials](#)

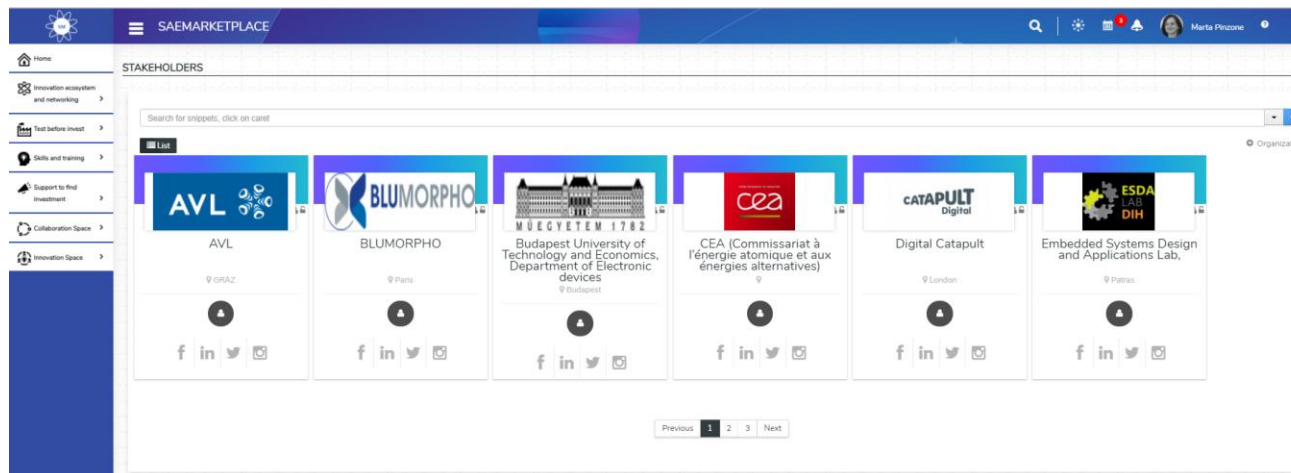


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# Innovation Ecosystem



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## Catalogue of SAE DIHs and Stakeholders



### MINALOGIC

MINALOGIC, Global innovation cluster for digital technologies in Auvergne-Rhône-Alpes, France. Minalogic assists its members with their development, in terms of innovation and business. The technologies, products and services developed by our members address all fields of activity, along the entire value chain covered by our four strategic technology fields: microelectronics, photonics, software and content & uses. Founded in 2005, today Minalogic boasts more than 400 members, the grand majority of whom are companies. Since 2005, Minalogic has certified 560 projects, which represents a total investment of over 2.2 billion €, including 881 million € of public investment. The 72 finished projects have generated 86 final products. Minalogic is a cluster which brings together companies and their partners to develop digital technologies. These technologies broadly fit into four strategic fields: microelectronics, photonics, software, content & uses. The technologies, products and services developed by our members address all fields of activity and all kinds of customers, whether it be BtoB, BtoBtoC or BtoC. A regional base for international visibility. From its original site in Grenoble, Minalogic has expanded to cover the entire Auvergne-Rhône-Alpes region. Minalogic now has three offices in the region: Lyon, Grenoble and Saint-Étienne. The services provided by Minalogic cover three types of action: • Business development – to accelerate growth in France and abroad • Innovation – to boost research and development • Network – to identify potential partners and initiate contact.

Organization Type	Sector	Main Competences
<ul style="list-style-type: none"> <li>Clusters and industry association</li> </ul>	<ul style="list-style-type: none"> <li>Consumer electronics</li> <li>Digital manufacturing</li> <li>Intelligent connected objects</li> <li>Safety/security</li> </ul>	<ul style="list-style-type: none"> <li>Business &amp; Finance</li> <li>Internet of Things</li> </ul>

#### Membership

Silicon Europe Alliance <https://www.silicon-europe.eu/home/>

#### Services Provided

- Events organization: inform companies on techno and applications
- Representation, promotion: promote your company
- Ecosystem building – open innovation process/connect companies on focus areas
- Roadmapping development
- Diagnostic transformation plan for digital development
- Ecosystem / networking
- Business growth for SMEs (events, brokerage, business opportunities etc.)
- Funding (e.g. co-funding, grants, innovation vouchers)

#### Representatives

- Bastien Hualpa: [bastien.hualpa@minalogic.com](mailto:bastien.hualpa@minalogic.com) | European mission officer

Innovation and R&D development

Social

Website

<https://www.minalogic.com/en/>

Legal address

Maison Minatex, 3 parvis Louis Néel - 38054 Grenoble - France



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# Test Before Invest

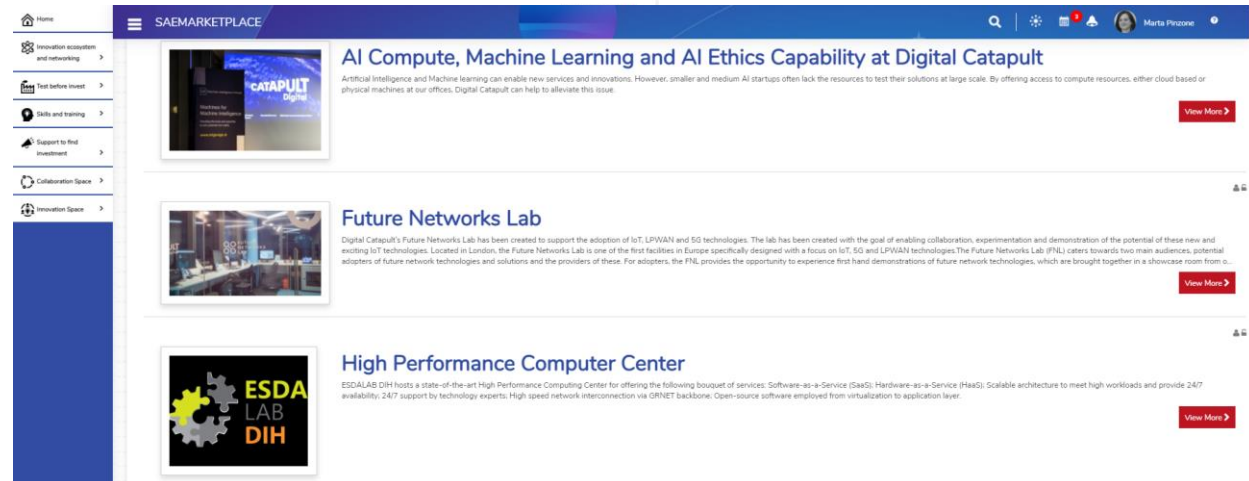


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## Catalogue of SAE Technologies

## Catalogue of SAE Experimental facilities




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# Skills and training



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 Home  
 Innovation ecosystem and networking  
 Test before invest  
 Skills and training  
 Support to find investment  
 Collaboration Space  
 Innovation Space

## SAE EDUCATION AND TRAINING OPPORTUNITIES

Search for snippets, click on caret

List

### AI computer Vision using Intel's Movidius VPU platforms

This webinar is an introduction to the Movidius platform and the best design practice for the implementation of AI computer vision applications. 2 examples of applications are introduced by ISSD with a tunnel monitoring use case and UBOTICA with the analysis of fundus images to detect retinopathy.

### Can flexible and wearable technologies innovate your products and services?

Participants are informed about the SmartEEs2 project and its objectives, and call for Application Experiments. The webinar also includes two examples of companies that were supported through the first SmartEEs project.

### Customers' Needs

The webinar provides an insight on how to identify and better understand customer needs, in order to be able to develop properly tailored solutions. It covers the types of customer needs, how to perform customer needs analyses, as well as how to use the obtained results to provide marketable solutions.

### DigiFed - Pitch video

The webinar gives hints and recommendations on how to make a great pitch video

Title

Description

Domain  
Advanced Computing

Sector  
(Aero)space

Target  
DIRECTORS

Competence Level  
FOUNDATION

Learning Outcomes

Learning Content

Channel  
Face-to-face lectures

Location

Language  
ENGLISH

SAE Project  
Select One





# Funding Opportunities



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List

SAE Funding Opportunities

Delete Edit



**CALL FOR MATURE HUBS TO BECOME PART OF BOWI NETWORK**

Boosting digital innovation

We are looking for Mature DIHs interested in becoming part of the BOWI network and have the opportunity to become service providers. BOWI project will offer mature hubs (mature DIHs) media exposure and networking opportunities. Additionally, the mature hubs will be invited to become a long-term member of the BOWI Network, having the opportunity to join the activities planned beyond the project. Selected Mature DIHs will, from one side, support developing hubs selected during Open Call 2 in further developing their capacity to deliver services and, from the other side, offer support to carry out the mentorship of 4 cross-border Experiments to SMEs and Mid-caps selected during Open Call 3. For more information visit: <https://bowi-network.eu/open-calls/>

Target

➤ Proposals can be submitted by legal entities representing mature hubs registered as fully operational in the European catalogue of Digital Innovation Hubs with expertise in at least one of the following technologies: - Low energy computing powering CPS - Cyber-physical and embedded systems - Internet of things - Flexible and Wearable Electronics - Organic and Large Area Electronics - Man/machine interfaces - Advanced or High-performance computing - Robotics for manufacturing - Additive manufacturing technologies - Modelling and simulation - Laser-based manufacturing - CPS for manufacturing - Cloud computing - Digital twins, data sharing, autonomous factories - IT security

Date of publication

> 2020-12-15

Deadline for submission

> 2021-09-01

Available funding

> Each selected mature DIH will be able to support up to 4 experiments and receive a maximum of 60,000 € (15,000 € per experiment).

SAE Project

> BOWI

Go To Site

Contacts

BOWI Helpdesk : [bowi.helpdesk@fundingbox.com](mailto:bowi.helpdesk@fundingbox.com)

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# Wrap up



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The SAE marketplace gathers the overall offer of the SAE initiative in one place, providing a “one-stop-shop” where interested stakeholders across Europe can find valuable information, opportunities and connect with other actors of the SAE ecosystem.

<https://saemarketplace.eu>



## “Access To”...

Access to SAE assets and services



## Ecosystem

Discover who is part of the SAE European network



## Collaboration

Enabling collaboration among organizations by allowing them to find common interests and complementarities

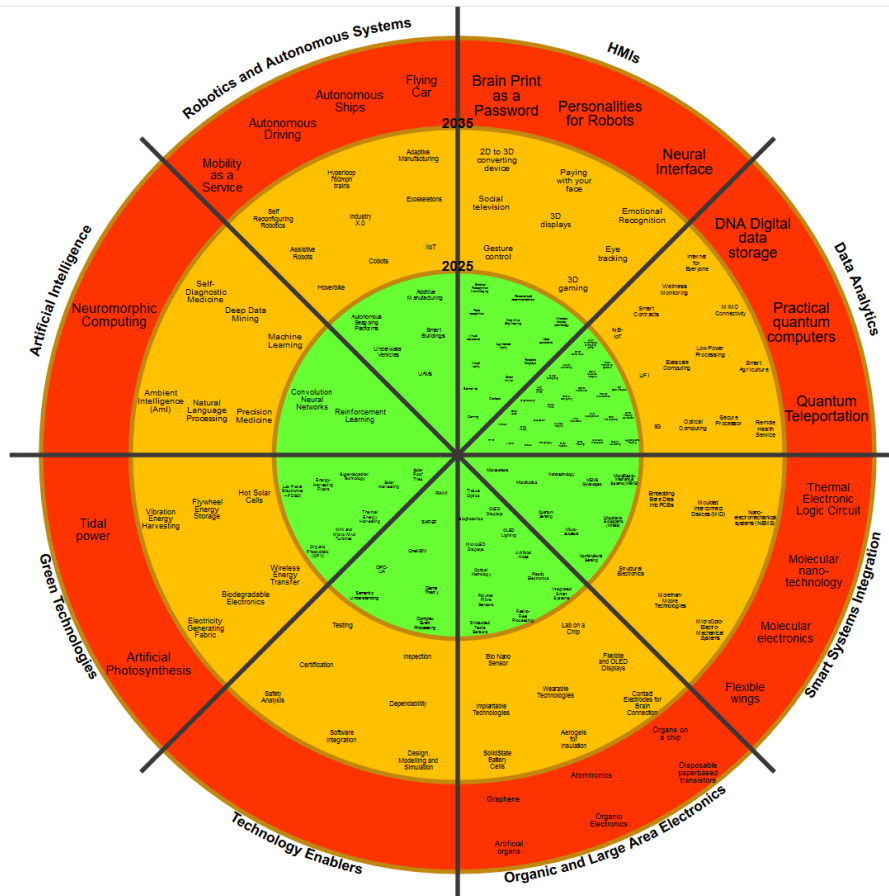
# Technology Radar



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## Join us for the next SAE training session in autumn 2021!



Agriculture
Home Automation
Green Applications
Wearables
<b>Technologies to Combat COVID-19</b>
Continuous Positive Airway Pressure (CPAP) Breathing Device
3D-Printing of Medical Equipment
Ventilators
Staying in Touch with the Elderly
Contact Tracing
Food and Beverage
Art, Entertainment, Music and Literature
Feedback and Suggestions for New Technologies



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## SAE Market Place

<https://saemarketplace.eu/welcome/>

- **Funding Opportunities**
- <https://smartanythingeverywhere.eu/funding/>
- <https://dihnet.eu/opencalls/>
- <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/opportunities/competitive-calls>

## Success stories

- <https://smartanythingeverywhere.eu/success-stories/>

## Subscribe to our newsletter / Contact us

- <https://smartanythingeverywhere.eu/contact-us/>



# Contact us!



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## Join us on our Social Media Channels and subscribe to our quaterly newsletter!

Let's stay in touch!

Subscribe to our quarterly newsletter!

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All fields are required

Follow us on social media!

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**Thank you very much  
for your interest!**



**Julia C. Koch**

**Dissemination Manager CSA „Smart4Europe2“**

**[Julia.Koch@Hahn-Schickard.de](mailto:Julia.Koch@Hahn-Schickard.de)**

**+49 7721 943 192**



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