

# DIGITAL INNOVATION HUBS DAY

on May 14th 2019  
in Stuttgart, Germany

mind Smart  
Auvergne-Rhône-Alpes 

**Digital Innovation Hub**  
**Bringing together**  
**key technologies & application domains**



**MinaSmart** is the orchestrator of the « digital evolution » at the regional level in many application domains within a european network

**MinaSmart** is dédiacted to industries (Start-up, SME, Medium and Large group) to digitalise their products, services or processes (industrial & organisational).

- A “traditional company” needs support to launch its digital transformation plan
- A “tech company” requests expertise's and high tech innovation to enhance the innovation

**MinaSmart** is providing access to many partners offers at each level of the digital transformation

# MinaSmart at a glance!



MinaSmart brings all together, key technologies partners and application domains players.

Thanks to many “competences/tools” - from the RTO expertise’s, to training, market place, Open Innovation Days, Experiments and fundings... MinaSmart helps industrials companies - Tech Champions & Traditional industries (Start-up, SME, Medium and Large group) to digitalise their products, services or process.

# 6 key Digitization Technologies

Cyber Physical Systems (CPS)

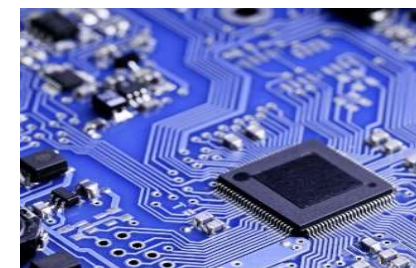
Artificial Intelligence

Cybersecurity and privacy

Connectivity (5G and Internet of Things)

Integrated and smart microelectronic components

High-Performance Computing and simulation



# 6 Applications Sectors

Energy

Health

Transportation & smart mobility

Chemistry and environment

























Agritech / foodtech

Future of industry



# A strong digital innovation ecosystem

(work in progress)

<b>Academics</b> 	<b>Innovation Clusters</b> 	<b>Research Labs</b> 	<b>Platforms / Competence Centers</b> 	<b>Non technical services / innovation management / Eco Dev</b> 
<p>Communauté Université</p> <p>Campus numérique de Charbonnières</p> 	<p>Minalogic </p> <p>Tenerrdis </p> <p>LyonBioPole </p> <p>CARA </p> <p>Axelera </p> <p>Céréales Vallée </p> <p>ViaMéca </p>	<p>Inria </p> <p>CEA </p> <p>Universités</p>	<p>Inria </p> <p>CEA </p> <p>Leti's platforms  </p> <p>Minalogic </p>	<p>IP – technology transfer</p> <p>Clusters programs</p> <p>Coaching &amp; training</p> <p>Investors ...</p> <p>Agence régionale SATT</p> <p>Private companies</p>    

700.000  
enterprises

400 large  
enterprises

99% have less  
than 250  
employees



## Key areas of the hardware-software continuum

- Cyber-physical systems
- Artificial intelligence
- Cyber-security and privacy
- Connectivity (5G and Internet of Things)
- Integrated and smart microelectronic components
- High-Performance Computing and simulation



## Regional assets Competitive clusters

- Energy
- Health
- Transportation & smart mobility
- Chemistry and environment
- Agritech / foodtech
- Future of industry



## Outcomes

- Access to necessary technologies and skills
- An understanding of use cases, the value chain and the supply chain
- An acceleration of R&D
- Support services related to innovation
- Field trials for experimenting with digital innovations

## Actions

- Stimulation of ideas
- Training and coaching for specific projects
- Technological awareness
- Support for technology transfer
- Support services for business development
- Analysis of the societal impact, by humanities and social sciences, and with living/citizen labs



# Connected to European projects and initiatives

Leading role in Smart Anything Everywhere initiative :  
3 ambitious H2020 projects related to DIH initiative



- **FED4SAE** : Accelerating EUROPEAN CPS Solutions to Market



- **EUROCPs** : A network of design centers boosting and initiating synergies between Innovative companies, industrial CPS-platforms and CPS-competency providers



- **GATEONE**: innovation service for SMEs



A network of clusters already established

- **Silicon Europe Alliance** :  
The European cluster alliance for advanced electronics and innovative software





## Services





## IoT DIGITAL INNOVATION HUBS NETWORK

Co-designing benefits from a European IoT DIH network

More than 200 DIH declared in the catalog, claim addressing IoT

→ A need to organise this community in order to maximize efficiency and sustainability

AIOTI decided to drive an initiative aiming at defining what should be the missions and services that such a network could offer

An open working group has been created in order to co-design such a network through a paper that will cover the following topics

1. Mission&objectives
2. Services offered by IoT DIHs including the minimum mandatory set of services
3. IoT Platforms available and able to be shared
4. Collaborative tools
5. Services offered by the IoT DIH network
6. List of IoT DIH active and fully operational

AIOTI

May 2019

# DIH Services

- 1. Strategy
- 2. R&D / Offer / Industrialisation
- 3. Business
- 4. Finance
- 5. Skills / Talents





# DIH Services



## 1. Strategy

- 1.1 Community building
- 1.2 Digital development Strategy
- 1.3 Ecosystem learning
- 1.4 Representation, promotion



## 2. R&D / Offer / Industrialisation

- 2.1 Strategy RDI
- 2.2 R&D Project / Techno Transfert (Contract research)
- 2.3 Technical support on scale up
- 2.4 Provision of Technology infrastructure
- 2.5 Testing & Validation



## 3. Business

- 3.1 Growth for SMEs
- 3.2 Incubator / Accelerator support for startups
- 3.3 Marketplace dynamization
- 3.4 Helpdesk management



## 4. Finance

- 4.1 Innovation vouchers
- 4.2 Consulting
- 4.3 Support / Expertise



## 5. Skills / Talents

- 5.1 Digital campuses
- 5.2 Digitalisation and I4.0 training
- 5.3 Workshops 'train the trainer'
- 5.4 Job Offering



**1. Strategy**

- 1.1 Community building
- 1.2 Digital development Strategy
- 1.3 Ecosystem learning
- 1.4 Representation, promotion

1.1 Community building (Sharing Information – DIH members)

1.3 Ecosystem learning – open innovation process



**2. R&D / Offer / Industrialisation**

- 2.1 Strategy RDI
- 2.2 R&D Project / Techno Transfer (Contract research)
- 2.3 Technical support on scale up
- 2.4 Provision of Technology infrastructure
- 2.5 Testing & Validation

2.1 Strategy RDI - Specialized expertise acces

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2.3 Technical support on scale up



**3. Business**

- 3.1 Growth for SMEs
- 3.2 Incubator / Accelerator support fro startups
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3.1 Growth for SMEs

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3.2 Incubator / Accelerator support for startups



**4. Finance**

- 4.1 Innovation vouchers
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4.1 Innovation vouchers



**5. Skills / Talents**

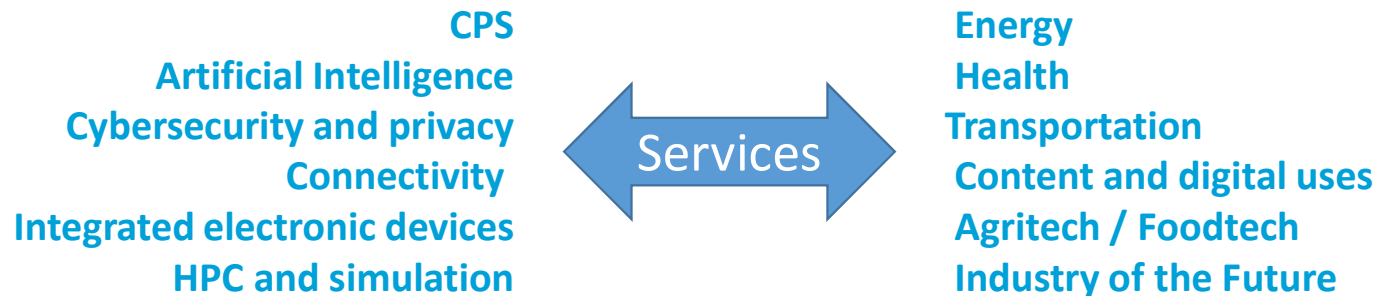
5.1 Digital campuses

5.2 Digitalisation and I4.0 training –centré techno

5.3 Workshops 'train the trainer' – centré humain

## Take away...

- Help of start-ups, SMEs, small caps, and all businesses in general to take full advantage of **digital innovations and competences along the HW-SW continuum**



- ... through an **orchestration in the Auvergne-Rhône-Alpes region** of the support offered by academics, competitive clusters, platforms/competences centers, and organizations providing non technical services for business acceleration ...
- ... and a **cooperation with other DIHs in Europe**

**Get in contact & Join the network !**

Take away...



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**Thank you for your attention!**

**Contacts**

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