

## Estonia (EE)

Estonia currently has no national initiative for digitising industry. However, it seems that some bottom-up investments have taken place on regional level to support the development of Digital Innovation Hubs.

On a **national level** Estonia has 6 *Digital Innovation Hubs* (4 fully operational and 2 in preparation status) covering various market domains (manufacturing (food products, textiles, chemicals, basic and fabricated metal products, electrical and optical equipment, machinery, electrical equipment), transport, electricity, public administration, education and health) through a large spectrum of technology areas presented as follows:

- Additive manufacturing (3D printing)
- Advanced or High-performance computing
- Artificial Intelligence and cognitive systems
- Augmented and virtual reality, visualization
- Broadband and other communication networks (e.g. 5G)
- Cyber physical systems (e.g. embedded systems)
- Cyber security (including biometrics)
- Data mining, big data, database management
- Gamification
- ICT management, logistics and business systems
- Interaction technologies (e.g. human-machine Interaction, motion recognition and language technologies)
- Internet of Things (e.g. connected devices, sensors and actuators networks)
- Location based technologies (e.g. GPS, GIS, in-house localization)
- Micro and nano electronics, smart system integration
- Organic and Large Area Electronics (OLAE)
- Photonics, electronic and optical functional materials
- Robotics and autonomous systems
- Sensors, actuators, MEMS, NEMS, RF
- Simulation and modelling
- Software as a service and service architectures

On a **regional level**, each hub's activities seem to be aligned with the RIS3 strategies. A concise list of all hubs on national and regional level is presented as follows:

### 1. Fully operational DIHs

Hub name	City	NUTS2 region	Country	Smart Specialisation (SS)	Link to SS	AI	HPC	Cyber Security	Association to EU-funded project
DIH Tartu	Tartu	Eesti	Estonia	General innovation	-	X	X	X	-
Eliko	Tallinn	Eesti	Estonia	Embedded electronics and software	ICT: Industry 4.0, Robotics and Embedde	-	-	-	-

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Smart Industry Centre (SmartIC)	Tallinn	Eesti	Estonia	Mechanical and industrial engineering, automation, mechatronics, materials science, and ICT	Materials Technologies	-	-	-	I4MS
Tallinn Science Park Tehnopol	Tallinn	Eesti	Estonia	General innovation	-	X	X	X	-

## 2. In preparation DIHs

Hub name	City	NUTS2 region	Country
e-Estonia Showroom	Tallinn	Eesti	Estonia
Software Technology and Applications Competence Centre (STACC)	Tartu	Eesti	Estonia

## 3. RTOs/universities that had a DIH role in an EU project

A list of RTOs/universities that have participated in the EU FP7 and H2020 projects, and *are not mentioned above*, is presented in the following tables:

### a. H2020 participation<sup>1</sup>

Project Topic Code	Project Acronym	Project Duration	Project End Date	Participant Legal Name	Participant Role	Participant Short Name	Core Legal Entity Type	Research Organisation	Project Topic Code
FOF-2017	L4MS	42	31/03/2021	CHEMI-PHARM AS	PARTICIPANT	CHEMI	PRIVATE	No	FOF-2017
FOF-2017	L4MS	42	31/03/2021	OU IMECC	PARTICIPANT	IMECC	PRIVATE	No	FOF-2017
ICT-04-2017	TETRAMAX	48	31/08/2021	TALLINNA TEHNIKAULIKOOL	PARTICIPANT	TTU	PUBLIC	Yes	ICT-04-2017

### b. FP7 participation<sup>1</sup>

None

## 4. Regions in Estonia that have no DIHs

None

<sup>1</sup> Data available in CORDIS ([http://cordis.europa.eu/home\\_en.html](http://cordis.europa.eu/home_en.html)) and in the European Commission databases.