

Bulgaria (BG)

Bulgaria currently has a national policy initiative for digitising industry under preparation 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** Bulgaria has 3 *Digital Innovation Hubs* (all in preparation status¹) covering various market domains (agriculture, construction, transport, manufacturing (machinery and electrical equipment), and education) 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)
- Data mining, big data, database management
- Interaction technologies (e.g. human-machine Interaction, motion recognition and language technologies)
- Internet of Things (e.g. connected devices, sensors and actuators networks)
- Laser based manufacturing
- Location based technologies (e.g. GPS, GIS, in-house localization)
- Micro and nano electronics, smart system integration
- Photonics, electronic and optical functional materials
- Robotics and autonomous systems
- Sensors, actuators, MEMS, NEMS, RF

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:

None

2. In preparation DIHs:

Hub name	City	NUTS2 region	Country	Related EC initiative/ project information
Bulgarian Innovation and Technology Hub - DigiTech 4.0	Sofia	Yugozapaden	Bulgaria	"Smart Factories in the new EU Member States" project
SmartFabLab	Sofia	Yugozapaden	Bulgaria	-
Sofia Tech Park	Sofia	Yugozapaden	Bulgaria	-

¹ Some of these might be operational, but they did not specify all the information needed for us to publish the DIH as fully operational

3. RTOs/universities that had a DIH role in an EU project²

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

Project Topic Code	Project Acronym	Project Duration	Project End Date	Participant Legal Name	Participant Role	Participant Short Name	Core Legal Entity Type	Research Organisation
ICT-04-2017	TETRAMAX	48	31/08/2021	AMG TECHNOLOGY OOD	PARTICIPANT	AMGT	PRIVATE	No

4. Regions in Bulgaria that have no DIHs

- Северозападен
- Северен централен
- Североизточен
- Южен централен

² Data available in CORDIS (http://cordis.europa.eu/home_en.html) and in the European Commission databases.