

## Austria (AT)

Austria's national initiative for digitising industry is *Industrie 4.0 Oesterreich*<sup>1</sup>, and in 2017 Austria published the *Digital Roadmap for Austria*<sup>2</sup>, a national digital strategy including a comprehensive overview over current challenges related to Industry 4.0 activities and initiatives, as well as existing and planned measures to address these challenges. Digital Innovation Hubs are explicitly mentioned, they will be based on COMET projects.

On a **national level** Austria has 12 *Digital Innovation Hubs* (5 fully operational and 7 in preparation status<sup>3</sup>) covering various market domains (agriculture, health, construction, transport, manufacturing (food products, textiles, basic and fabricated metal products, electrical and optical equipment, chemicals, machinery, and electrical equipment), electricity and energy sector, retail, education, public administration and defence) 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)
- Cloud computing
- Cyber physical systems (e.g. embedded systems)
- Cyber security (including biometrics)
- Data mining, big data, database management
- 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
- New Media technologies
- Photonics, electronic and optical functional materials
- Robotics and autonomous systems
- Screens and display technologies
- 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 in the following tables.

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<sup>1</sup> Industrie 4.0 Oesterreich, <https://plattformindustrie40.at/>

<sup>2</sup> Digital Roadmap Austria, <https://www.digitalroadmap.gv.at/>

<sup>3</sup> Some of these might be operational, but they did not specify all the information needed for us to publish the DIH as fully operational.

## 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	COMET
BioNanoNet ForschungsGmbH, BNN	Graz	Steiermark	Austria	Bio- and nanotechnologies, sensors	Health and Food Technology	X	-	-	-	-
CAMPUS 02 R&D Section	Graz	Steiermark	Austria	General innovation technologies	-	-	-	-	-	-
Know-Center GmbH	Graz	Steiermark	Austria	Big data analytics	Mobility	X	-	X	-	X
RECENDT - Research Center for Non-Destructive Testing GmbH	Linz	Oberösterreich	Austria	Material characterization and non-destructive materials testing	Industrial production processes	X	X	X	-	X
Virtual Vehicle Research Center	Graz	Steiermark	Austria	Advanced virtualization	Mobility	X	X	X	-	-

## 2. In preparation DIHs

Hub name	City	NUTS2 region	Country
CDP - Center for Digital Production	Wien	Wien	Austria
Data Market Austria (DMA)	Salzburg	Salzburg	Austria
i.ku - Innovationsplattform Kufstein / Innovation Hub Kufstein, Tyrol	Kufstein	Tirol	Austria
Linz Center of Mechatronics GmbH	Linz	Oberösterreich	Austria
PROFACTOR Cognitive Robotics and Factory HUB	Steyr	Oberösterreich	Austria
smart Fab Carinthia	Spittal	Kärnten	Austria
VRVis Zentrum für Virtual Reality und Visualisierung Forschungs-GmbH	Wien	Wien	Austria

## 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>4</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-09-2015	ReconCell	36	31/10/2018	LOGICDATA ELECTRONIC & SOFTWARE ENTWICKLUNGS GMBH	PARTICIPANT	LDT	PRIVATE	No	FoF-09-2015
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-09-2015	BEinCPPS	36	31/10/2018	TTTECH COMPUTERTECHNIK AG	PARTICIPANT	TTTech	PRIVATE	No	FoF-09-2015
FOF-12-2017	CloudiFacturing	42	31/03/2021	LINZ CENTER OF MECHATRONICS GMBH	PARTICIPANT	LCM	PRIVATE	Yes	FOF-12-2017
FoF-09-2015	ReconCell	36	31/10/2018	LOGICDATA ELECTRONIC & SOFTWARE ENTWICKLUNGS GMBH	PARTICIPANT	LDT	PRIVATE	No	FoF-09-2015
FoF-09-2015	BEinCPPS	36	31/10/2018	TTTECH COMPUTERTECHNIK AG	PARTICIPANT	TTTech	PRIVATE	No	FoF-09-2015
ICT-01-2014	EuroCPS	36	31/01/2018	INFINEON TECHNOLOGIES AUSTRIA AG	PARTICIPANT	IFAT	PRIVATE	No	ICT-01-2014
ICT-01-2014	EuroCPS	36	31/01/2018	AVL LIST GMBH	PARTICIPANT	AVL	PRIVATE	No	ICT-01-2014
ICT-04-2017	FED4SAE	36	31/08/2020	AVL LIST GMBH	PARTICIPANT	AVL	PRIVATE	No	ICT-04-2017
FOF-12-2017	CloudiFacturing	42	31/03/2021	LINZ CENTER OF MECHATRONICS GMBH	PARTICIPANT	LCM	PRIVATE	Yes	FOF-12-2017

### b. FP7 participation<sup>4</sup>

Project Number	Project Acronym	Project Duration	Project Start Date	Project End Date	Project Number of Participants	Participant Short Name	Participant Legal Name	Participant Role	Organisation Type
609029	FORTISSIMO	42	01-Jul-2013	31-Dec-2016	123	AVL	AVL LIST GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	TROTEC	TROTEC PRODUKTIONS U. VERTRIEBS GMBH	Participant	PRC
609046	LASHARE	48	01-Sep-2013	31-Aug-2017	69	Welser	WELSER PROFILE AUSTRIA	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	AVL	AVL LIST	Participant	PRC

<sup>4</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.

							GMBH		
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	EMO	EMO EXTRUSION MOLDING GMBH	Participant	PRC
609100	CloudFlow	46	01-Jul-2013	30-Apr-2017	47	SES-TEC	SES-TEC OG	Participant	PRC

#### 4. Regions in Austria that have no DIHs

- Burgenland
- Niederösterreich
- Oberösterreich
- Vorarlberg