ARTES 4.0 SERVICES
FOR BUSINESSES

Advanced Robotics and enabling digital Technologies & Systems

www.artes4.it
Advanced Robotics and enabling digital Technologies & Systems
INDEX
WHO WE ARE

Artes 4.0 Advanced Robotics and enabling digital Technologies & Systems

ARTES 4.0 is one of the 8 highly specialized Competence Centers selected by the Ministry of Economic Development as part of the National Industry 4.0 Plan, with a focus on advanced robotics and related enabling digital technologies. ARTES 4.0 has a branched structure that guarantees coverage of many Italian regions: 127 members, of which 13 operating units at some of the main universities and national research centers, and 114 private partners including **17 large companies**.

DO YOU WANT TO FIND OUT MORE ABOUT ARTES 4.0?
Visit our website: www.artes4.it
University Partners, Research Bodies, Highly Qualified Training Institutes, Foundations, Third Sector Bodies, Companies and Non-Profit Bodies but also Associations and Innovative Companies, in order to provide partners and industry (in particular SMEs) with technologies and services dedicated to responding to their needs through guidance, training, innovation projects, industrial research and experimental development. The 114 private shareholders represent a total turnover of over 43 billion euros, equal to approximately 3% of the Italian GDP, through the participation of 17 large companies, to which must be added the companies represented by incubators and accelerators. Furthermore, the presence of 10 Medium-sized Enterprises, 32 Small Enterprises, 35 Micro Enterprises and 17 Foundations / Third Sector Entities / Companies and Non-profit Bodies guarantees the opening of the CC skills offer thanks to the contribution of partners characterized by a high level of dynamism.
# ARTES 4.0 MEMBERS:
## 127 PARTNERS READY TO WORK WITH YOU

### 35 Founding Members
- 13 Universities and Research Bodies

### 127 Partners
- 35 Founding Members
- 6 Ordinary Members
- 85 Affiliated Members and 1 Supporting Member

### 5 big businesses
- Alia
- enel
- Ericsson
- eni
- EP Produzione

### 4 small businesses
- rea
- esi
- Idrotherm
- Trenitalia

### 7 Micro-businesses and start-up
- Comal
- Implant
- IDROHERM
- Tecnalia

### 5 Foundations and Bodies of the Third Sector / Non-profit companies / organizations
- CEREMA
- SEMA
- ARCHA
- Tecnalia
- Wisense

### 1 Ministries, Regions, Municipalities and Bodies national and local
- INAIL

### 6 Ordinary Members
- Hitachi
- Danielli Automation
- Dedalus

### 1 Micro-businesses and start-up
- IGS

### 1 Foundations and Third Sector Entities / Non-profit companies / organizations
- Pontech

### 85 Affiliated Members and 1 Supporting Member
- 8 big businesses
- 10 Medium-sized businesses
- 27 Piccole Imprese
- 29 Micro-businesses and start-up
- 11 Foundations and Third Party Entities Sector / Company / Non-profit organizations
127 Partners ready to work with you
ARTES 4.0 is configured as the ideal partner for companies that want to innovate, in terms of both technologies and know-how and skills in all company departments, from management to the most operational personnel. The aim of ARTES is to GUIDE, TRAIN and provide companies with complete support to start and follow INNOVATIVE and Technology Transfer PROJECTS.
Thematic areas 4.0

Application areas

- Healthcare
- Artisanship
- Energy
- Tourism
- Agriculture
- Manufacturing

- Robotics and collaborative machines
- Artificial intelligence
- Technologies, networks and systems and communication
- Sensors achievable with different technologies
- Development and characterization of advanced materials
- Robotic and augmented reality technologies and sensor systems for predictive maintenance and training
- Technologies for real-time process optimization
- Technologies for data storage and processing
- Basic software infrastructures, operating systems and middleware
- Technologies for cyber-security
- Robotic and augmented reality technologies and sensor systems for predictive maintenance and training
- 4.0 technologies for improving the health of workers and safety at work
To date, ARTES 4.0 has published 3 calls financed by the Ministry of Economic Development (total amount of € 3,510,000):

- 330 project proposals have been evaluated
- and 26 innovation projects have been launched.

In addition to funded calls, ARTES 4.0 also periodically promotes other calls for ideas in favor of companies, taking advantage of the equipment and services made available by the members.

The important ecosystem of ARTES 4.0 is at the service of companies wishing to innovate: the ideal partner to whom it is possible to turn for guidance, training and consultancy and management activities for innovation projects with a very high level know-how guaranteed by companies and public partners (universities, research centers, etc.) who are part of ARTES 4.0, thus managing to respond and interpret the needs of companies in a complete and exhaustive way.

Furthermore, through its partners, ARTES 4.0 is able to provide support to companies in identifying the funds available for research and development at a regional, national and European level.
ORGIENTATION

• Organization of webinars and thematic seminars

Organized together with the partners of ARTES 4.0, in presence or remotely, they aim to address issues of interest to businesses, in the Industry 4.0 area. Participants can ask questions and request to get in touch with the speakers, thus having the opportunity to discuss later with one or more experts.

• ARTES4.IT - The ARTES 4.0 Competences Portal

The structure of ARTES 4.0, which includes 13 operating units located throughout the national territory in addition to the presence of 114 private partners, contains an important potential in terms of both resources and know-how. This is why it is possible to refer to the ARTES 4.0 website, a real SKILLS PORTAL, which is available to companies; through a simple search (filterable for example by technology, area, keyword, etc.) it is possible to find information relating to:

- Specific skills of the shareholders: (with which interested companies can request to get in touch)
- Use cases: possible source of inspiration for companies that have innovative ideas
- Laboratories / Demonstration areas: 93 laboratories made available by ARTES 4.0 members.
- Training Courses: 110 courses in the catalog and 36 tailor-made courses that can be combined according to your needs.
- Innovative Projects: information on the main projects activated with ARTES 4.0.
- ISAAC: the ARTES 4.0 project dedicated to Life sciences and Healthcare to facilitate the transformation of research results into products for the market.
- The ARTES 4.0 Blog: articles and interesting ideas on Robotics and Artificial Intelligence, Industry 4.0, Big Data Analytics, Industrial Internet of Things, Augmented and Virtual Reality.
Welcome to ARTES 4.0 world!
Advanced Robotics and enabling digital Technologies & Systems

YOU ARE LOOKING FOR INSPIRATION, IDEAS AND SKILLS USEFUL FOR YOUR PROJECT?
Visit our website: www.artes4.it
TRAINING

ARTES 4.0 is a leader in promoting and disseminating the skills necessary for digital transformation through training in all its facets. We support companies in strengthening skills through classroom lectures and e-learning.

We provide demonstrative production lines and real applications in our laboratories for training purposes. Starting from the needs expressed by the Companies, ARTES 4.0 offers structured and specialized courses in connected enabling digital technologies.

The network is made up of universities and research bodies, companies, foundations and associated digital hubs that provide knowledge, skills and abilities from very different sectors and realities.

Thanks to the multidisciplinary know-how in industry 4.0, ARTES 4.0 has decided to organize the training capital in two sections:

**Catalog training courses:** ARTES4.0 has collected the training offer by selecting content with basic, intermediate and advanced levels of specialization made available by all public and private partners, ensuring certified quality and specialization.

**Tailor made courses:** allows you to customize the training course based on specific needs. It is therefore possible to select modules already available on various contents, to compose them in response to specific business needs.

DO YOU WANT TO PERFECT YOUR TRAINING?

Discover our catalog or customized offers: [click here](#)
INNOVATION PROJECTS

ARTES 4.0 supports companies in all processes related to an innovative project.

• **Consulting:** support on the implementation of strategies, technological and management solutions to meet specific needs. 127 members of ARTES 4.0, each with high-level skills in Industry 4.0, make their know-how available to companies for development and support in innovation projects.

• **Technological scouting:** search for the most suitable technologies and partners, thanks to the network of companies and research centers and universities present in ARTES 4.0.

• **Strategy:** support for the construction of strategies for the digital transformation of companies.

• **Research and development:** highly professional technical support for innovative business projects.

• **Test before invest:** possibility to test solutions and products thanks to the demonstration spaces and laboratories present in the ARTES 4.0 network.

• **Coaching and mentoring for Industria 4.0:** assessment of the adequacy of innovative projects with respect to the set objectives.

• **Facilitated finance:** through its members, ARTES 4.0 offers support to companies by presenting the different types of funds available, customized according to specific needs. Scouting and coaching activities are also planned for the search for potential investors.

YOU HAVE AN INNOVATIVE PROJECT IN MIND IN THE INDUSTRY 4.0 SECTOR?

ARTES 4.0 mette a disposizione personale e attrezzature di altissimo livello. ARTES 4.0 provides personnel and equipment of the highest level.

Consult our portal: [www.artes4.it](http://www.artes4.it) or write to [info@artes4.it](mailto:info@artes4.it)
WORKSHOPS AND DEMONSTRATION LINES

ARTES 4.0, in its support and promotion of Innovation 4.0 activities, provides demonstration areas and laboratories, located throughout the national territory, in which to concretely appreciate the technologies of interest, as well as suitable spaces for events and training.

93 laboratories that can be filtered on the basis of the enabling technologies and / or the region of interest
DO YOU HAVE AN INNOVATIVE IDEA? ARE YOU THINKING OF DEVELOPING A PRODUCT AND YOU WANT TO TEST IT BEFORE INVESTING?
Find out more about our laboratories and choose the one you are interested in: click here
GET IN TOUCH WITH US

ARTES 4.0 Advanced Robotics and enabling digital TEchnologies & Systems 4.0
Viale Rinaldo Piaggio, 34 – 56025 Pontedera (PI)
Write to info@artes4.it

🔗 visit our Blog ARTES 4.0: click here

LinkedIn: associazione-artes-4-0    Facebook: ARTES 4.0 - Centro di Competenza
With the support of

Ministero
dello dello Stabilimento Economo

Accredited association, enrolled at n. 334 of the Register of Legal Entities of the Prefecture of Pisa - Tax code and registration number in the Register of Companies of Pisa 90062630505 - VAT number 02333680508
Economic and administrative index number (REA) PI– 199253
PEC: presidente_artes4.0@pec-legal.it