

# Bridging the gap towards Industry 4.0 focus on **Digital Manufacturing**

*Area Science Park initiatives to support the  
digitalization of SMEs*

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16/12/2020

| Stefano Salvador |

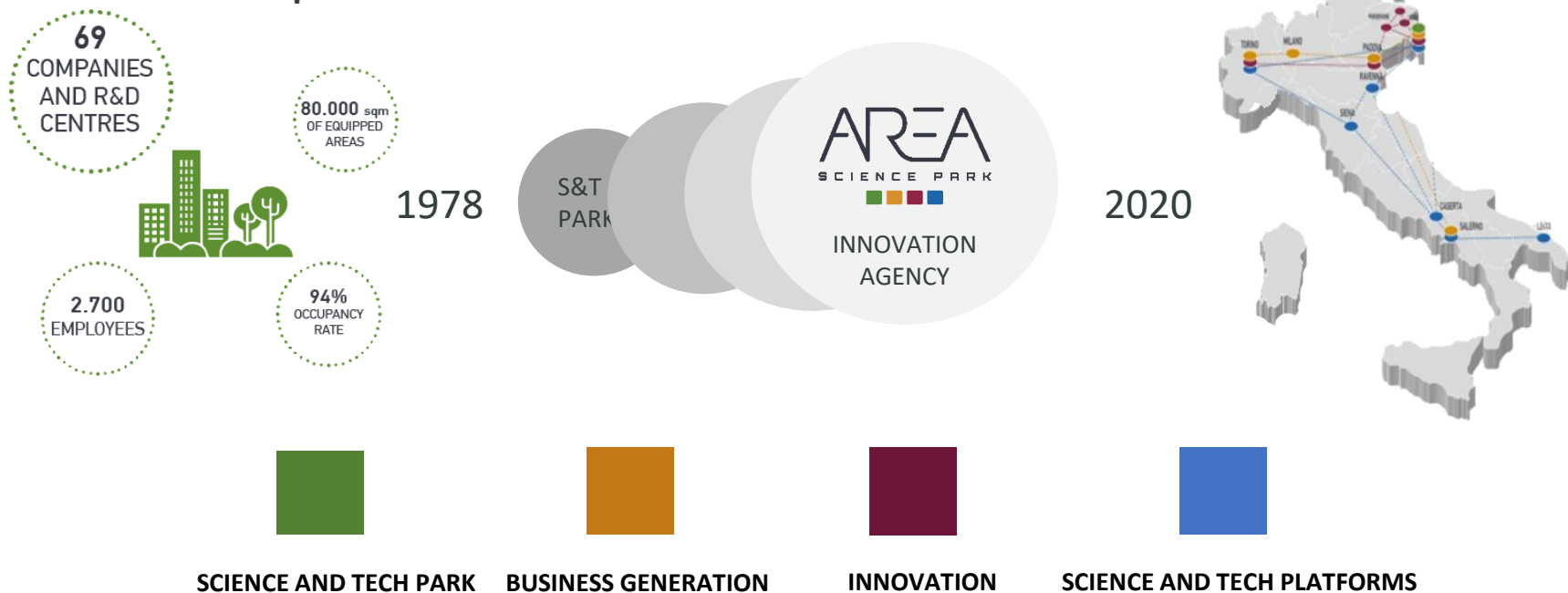


## IDENTITY

National research organization, specialised in innovation management. Since 1978, it has managed the first Italian science and tech park.

## MISSION

Developing the economic system through innovation and technological research



**INNOVATIVE  
INDUSTRIAL  
SETTLEMENTS**

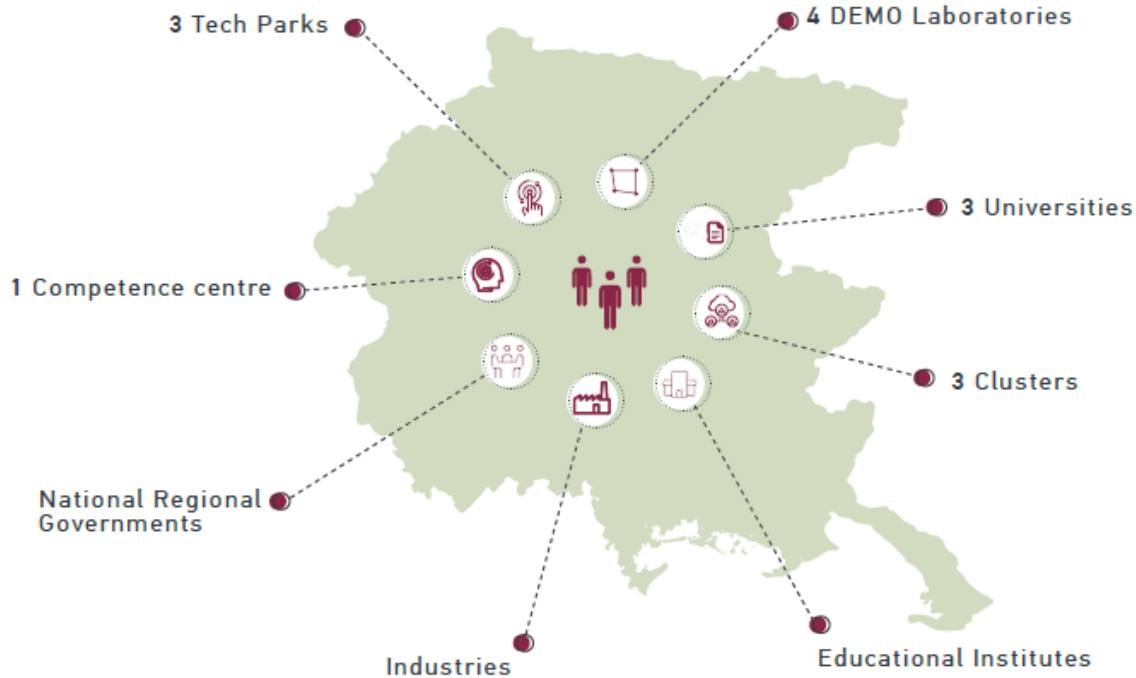


**NEW  
BUSINESS  
CREATION**

**PROCESS  
INNOVATION**

**TECHNOLOGY  
PLATFORMS &  
OPEN LABS**





**1 European Regional Digital Innovation Hub**

**4 specialized Nodes**  
access point for local SMEs  
& demo Living Labs

**26 Partners**

**1 Control Hub**  
Node representatives  
FVG Region  
SMACT Competence Center  
DITEDI Regional ICT Cluster

## **IP4FVG a hub & spoke ecosystem**

## 4 TECHNOLOGICAL NODES

with 4 Living Labs for testing & demonstration

- AMS - Advanced Manufacturing solutions
- IOT - Internet of Things
- DA&AI - Data Analytics & Artificial Intelligence
- DOS - Data Optimization & Simulation

Following the digital data flow - enabling technologies

## 4 THEMATIC SECTORS

to apply digital solutions

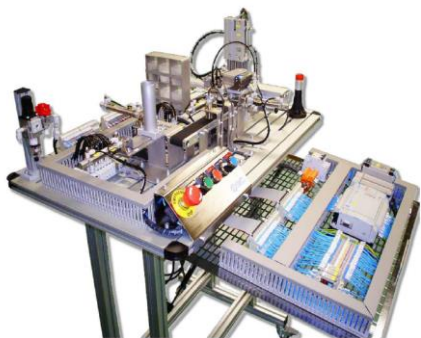
- Smart Manufacturing
- Smart Building
- Smart Health
- Smart Mountain

Application areas - link to regional S3

## 4 IP4FVG SERVICES

for the digital transformation of businesses

- **Test Before Invest**
  - Assessment of digital readiness
  - Support for digital transformation projects
  - Demonstration and testing in Living Labs (PoC)
  - Scouting of technologies
- **Skills & Training**
  - Awareness and training in digital skills
  - Advanced training
  - Training for schools
- **Support to find investments**
  - Search for financing opportunities
  - IP4FVG calls for projects
  - Business Generation ARGO
  - Innovative Industrial Settlements ARGO
  - Enterprise Europe Network
- **Innovation ecosystems & networking**
  - Networking with complementary DIHs and tech infrastructures
  - DIHNET.EU
  - AI DIH NETWORK
  - Smart Connectivity EDIH Network - Enterprise Europe Network



# 2018-2020 Main activities

**11**  
FVG Manufacturing  
Lighthouses

**2,1 M €**

Total investment on technology and personnel

**27**

Partners  
Joint EDIH

**39**

Digital transformation experts

**1.450**

Companies and professionals involved

**163**

Digital assessment  
National standard model

**190**

ICT companies interviewed  
Tech offer analysis

**33**

SMEs  
Digital transformation projects supported

**650 k€**

Investments on technological tools for *test before invest*

**40**

Workshops on technologies & tools

**4**

Higher education training courses

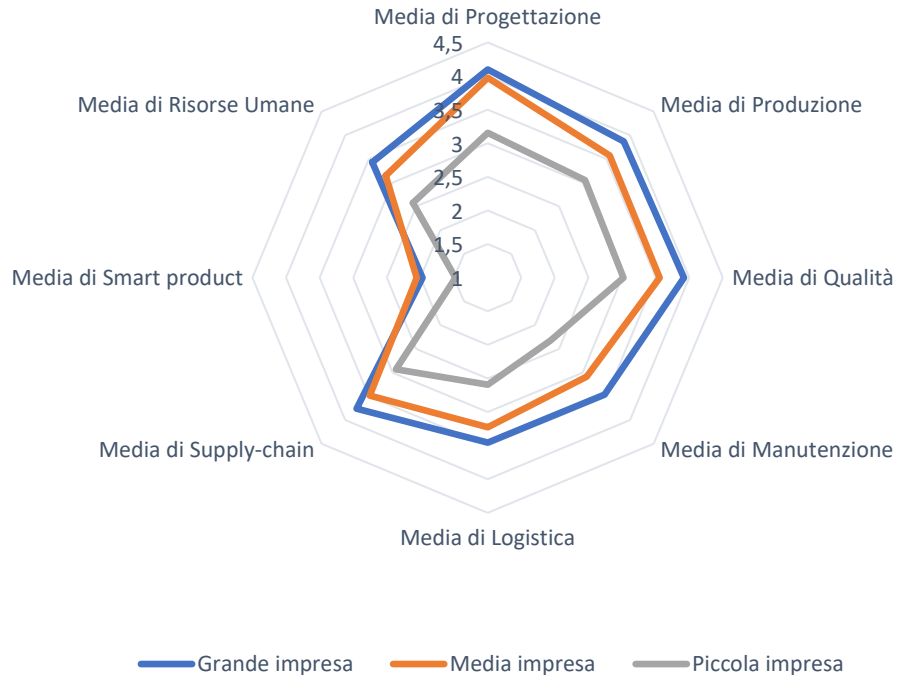
**210**

Training hours on Industry 4.0

**+2.300**

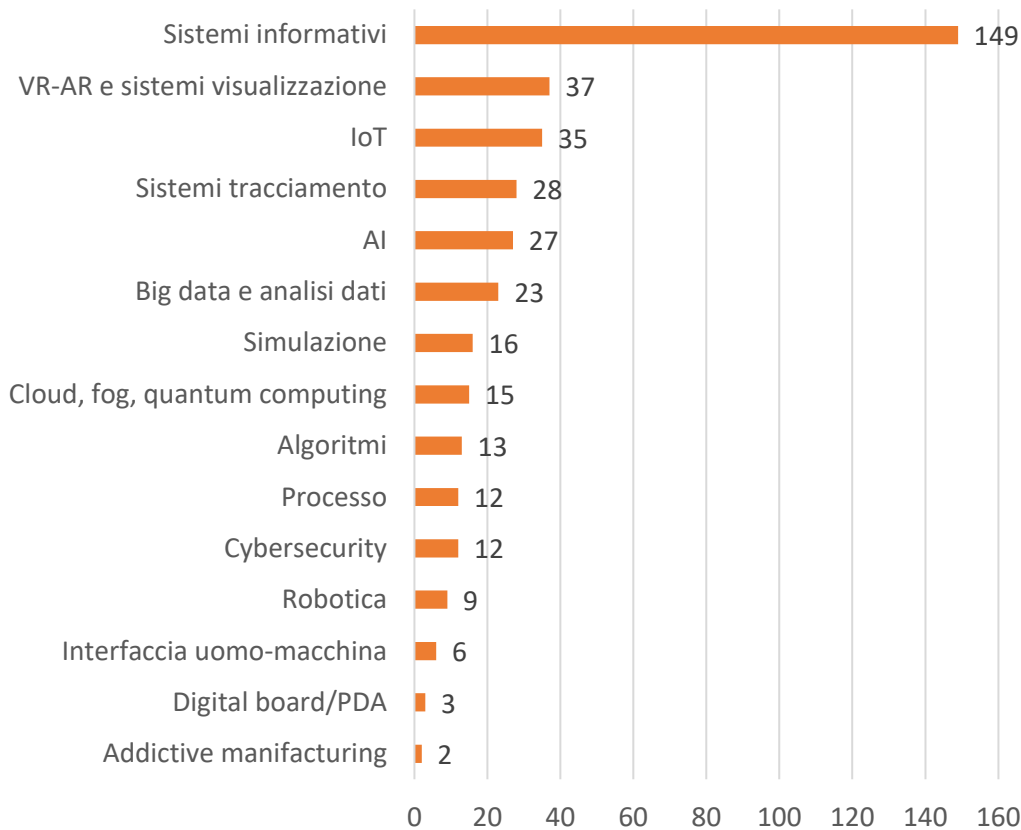
Training participants

## How digital are FVG manufacturing companies?



- 2019 digital assessment campaign (90 companies: 23% big, 43% medium, 31% small, 3% micro)
- Few companies are over the first digitization threshold towards supply chain integration and «intelligent» tools
- Big and medium Enterprises are leading but are not far from first digitisation status
- Smaller companies are the main target for support actions (also as supply chain enablers)

## What technologies are FVG ICT companies working on?

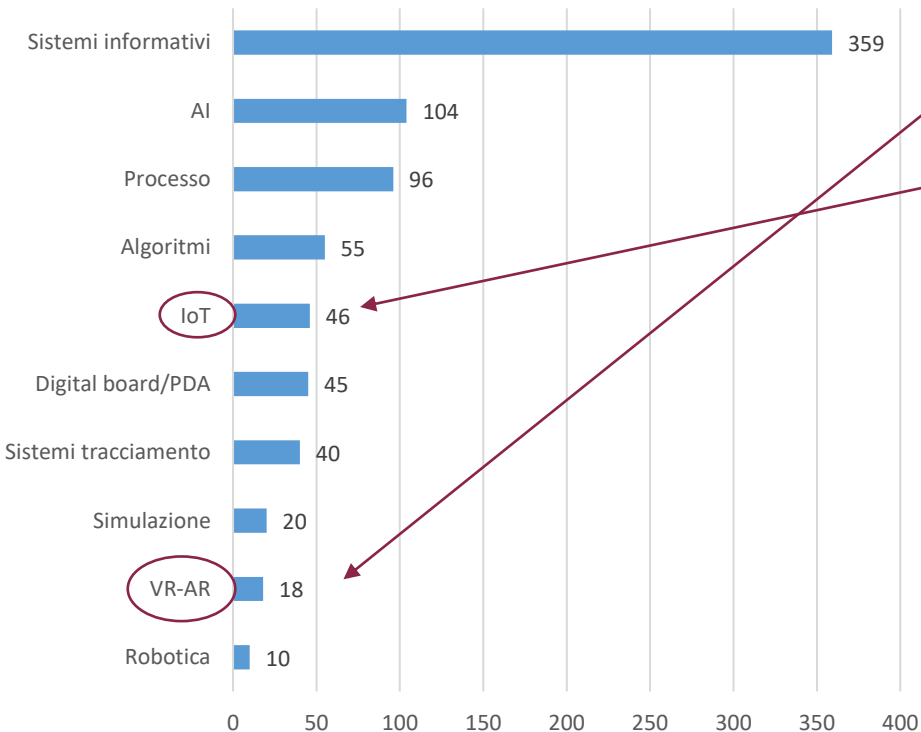


- 2020 survey (190 companies interviews 405 tech solutions analysed)
- 67% companies identified as leading tech providers
- 36% of solutions on offer related to traditional IT technologies
- 24% of solutions aimed at operations, 3% aimed at maintenance, 2% focused on quality management

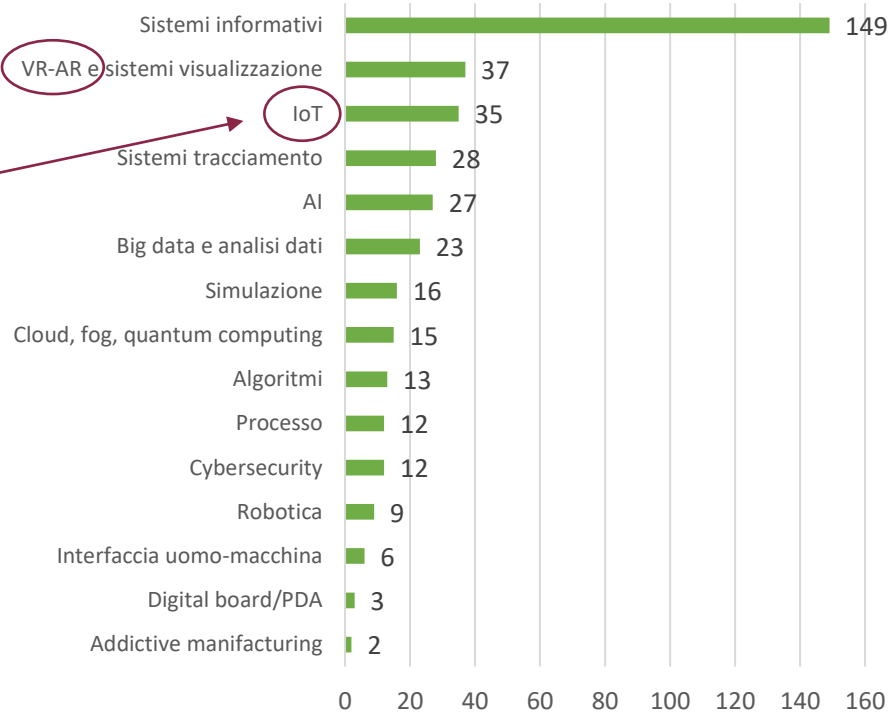


# A match to be supported

Suggested tech for manufacturing companies



ICT companies' technological offer



# Thank you!

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