

**March 19, LCAMP Webinar**  
Advanced Manufacturing Skills Analysis



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**CAMPUS  
SMARTT VALLEY**

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General Manager – Fondazione Ergo

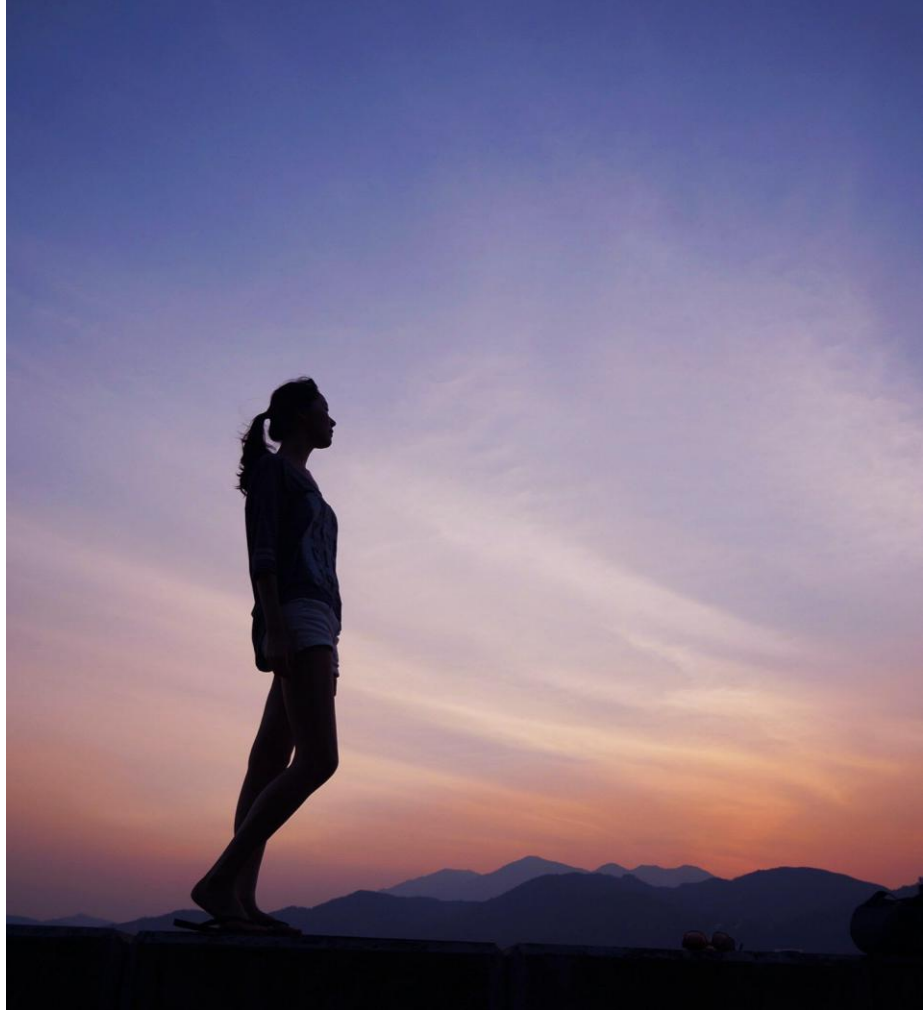
# Fondazione Ergo

Fondazione Ergo is a training and consulting center specializing in business transformation and serves as Italy's leading technical authority on **work organization, work analysis, and ergonomics**.

With over **25 years of leadership in the manufacturing sector**, it is recognized by social partners, institutions, and the industry for its **unique combination of operational and strategic expertise**.

Our vision is to **inspire and drive change** towards a **more responsible and prosperous industrial future**, where businesses and communities can grow in a **sustainable, resilient, and harmonious way**.

Fondazione Ergo promotes **industrial sustainability** with the goal of **enhancing productivity and improving the quality of working life** through the combination of **specialized engineering and the transformation of the factory ecosystem**, fostering relationships and innovation.



# Advanced Manufacturing in Italy

**Most of manufacturing companies in Italy** are SMEs, but they face challenges in accessing training and innovation.

## Challenges & Opportunities for Italian SMEs in Advanced Manufacturing

**1 38.4% of manufacturing companies** have invested in innovation in recent years.

**2 70% of businesses** struggle to find skilled workers in **robotics, data analytics, and cybersecurity**.

**1 Access to Innovation & Technology:** SMEs struggle to invest in **automation, AI, and digitalization** due to high costs.

**2 Skills Gap:** **most of companies** report difficulties in finding qualified talent.



**LESS  
COMPETITIVENESS**



**Varese**  
**49°/107**  
**OpportunityIndex**



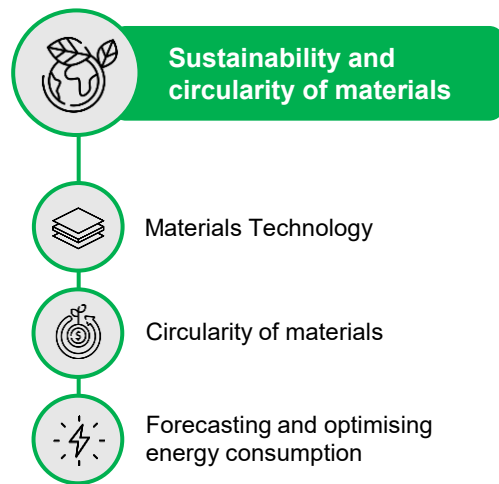
In **March 2024**, Fondazione Ergo is launching **SMARTT VALLEY**, the **industrial innovation hub in Varese**, aimed at boosting the competitiveness of the local manufacturing industry.

The mission of SMARTT Valley is to:

- ✓ **Passionately innovate** production systems to enhance competitiveness.
- ✓ **Accelerate transformation** by creating an **ecosystem** for the development of technological solutions.
- ✓ **Develop advanced experiential skills** across the entire training pipeline, from **education to real-world business applications**.



# Thematic areas



← **Technology enablers: AI and digitisation** →

# Three pillars



**Academy**



**Research**



**Tech Transfer**

**Gamification**

**Tailored  
Curriculum**

**Competitive  
Programs**

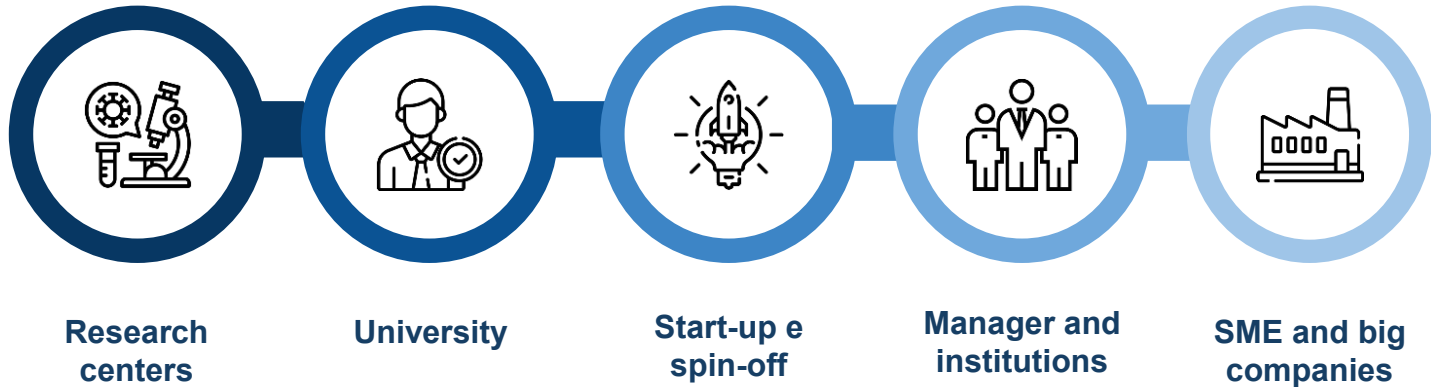
**Skills**

**Partnerships**

**Simulations**



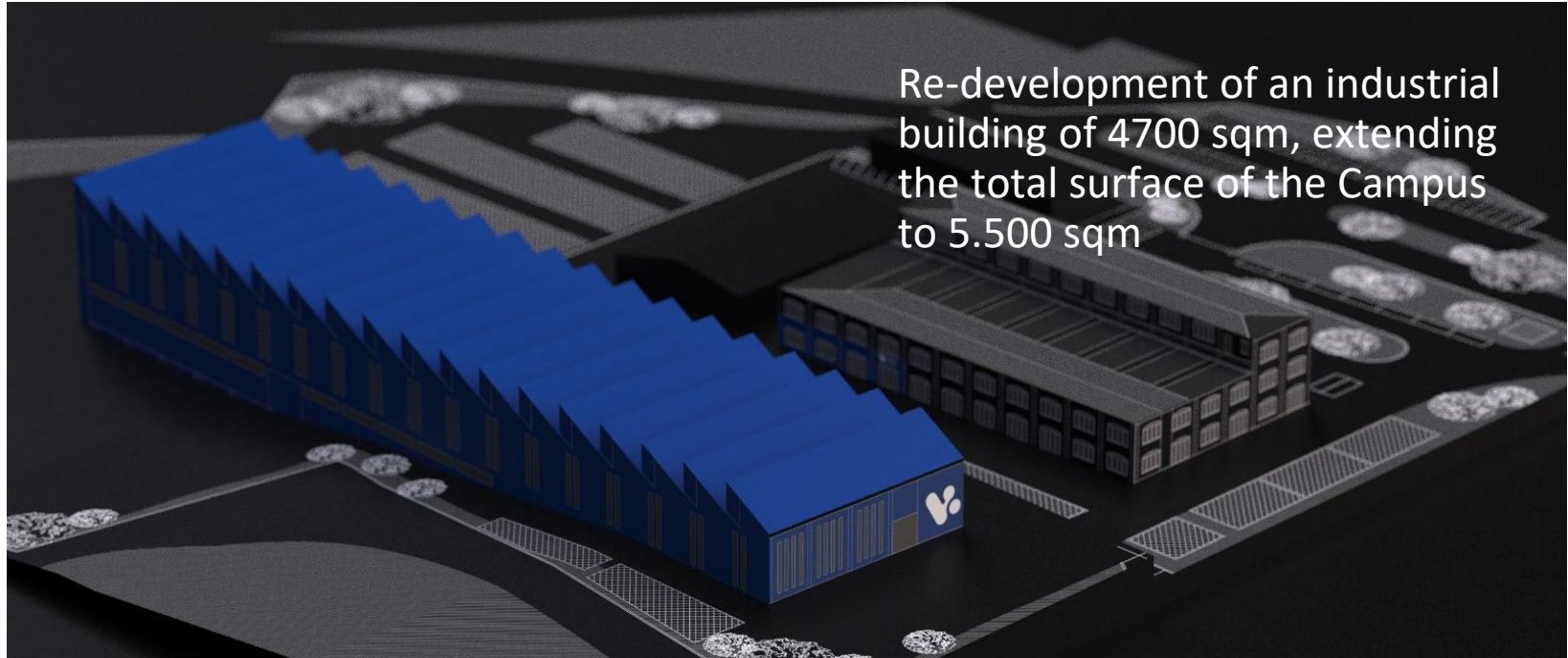
# SMARTT VALley - Connector of an ecosystem



**GLOBAL CONNECTIONS**



# A new opportunity: Campus SMARTT VALley



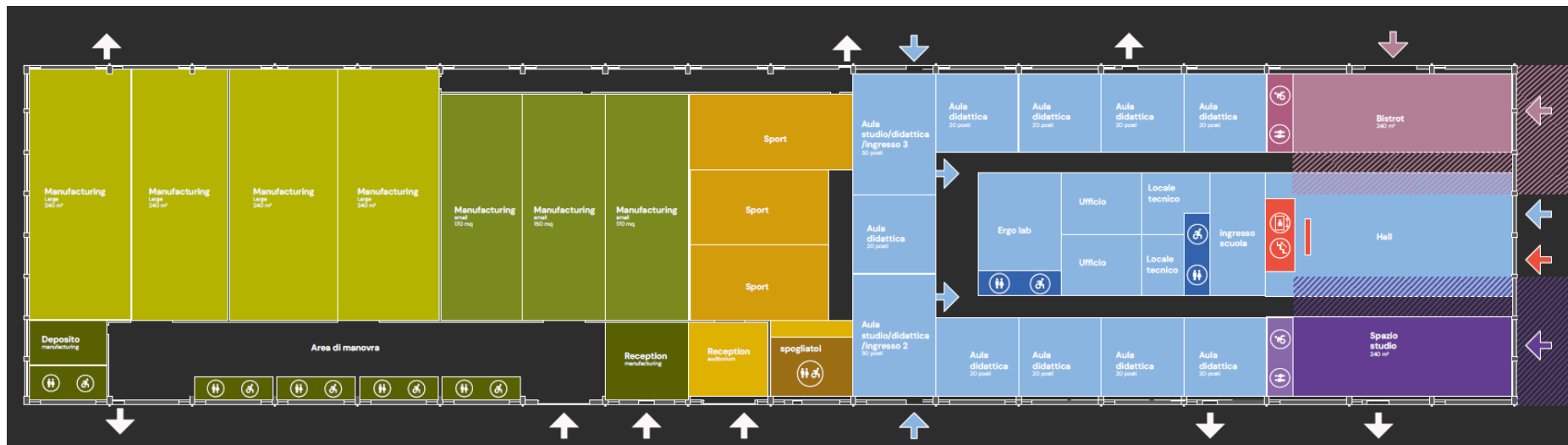
Re-development of an industrial building of 4700 sqm, extending the total surface of the Campus to 5.500 sqm

# Focus: Innovation and education for Varese

Industrial Innovation Space

Sport

Campus Education



# A project to foster ...

## SME

- ✓ **Innovation** – Innovation pathways for new **business models, products, and technologies** tailored for SMEs.
- ✓ **Industry 5.0** – Projects and tools for the **structural improvement of ESG components**.
- ✓ **Training & Consulting** – **Skills, tools, and projects** for the **digital transformation** of the factory.



## WORKFORCE

- ✓ **We train new generations** through **ITS/IFTS mechatronics programs**.
- ✓ **We connect young people with businesses** to accelerate their entry into the job market.
- ✓ **We guide young talents** towards the **industrial culture of BellaFactory**, helping them make informed and strategic career choices.



## INDUSTRY 5.0

- ✓ **Engineering-based approach** to **product and production process design** for **risk prevention and occupational disease reduction**.
- ✓ **Integration of ergonomic risk assessment** in the design and management of work cycles.
- ✓ **Use of comprehensive risk assessment systems** recognized by **ISO/CEN standards**.

# CONNECT WITH US

## BE PART OF SMARTT VALLEY

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