

Fondazione  
Politecnico  
di Milano



POLITECNICO  
MILANO 1863



# Fondazione Politecnico di Milano

*Sparkling innovation  
for a brighter future*



Fondazione  
Politecnico  
di Milano

# Contents

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## 01

### Fondazione Politecnico di Milano

- About Us
- Vision & Mission
- Objectives
- A High-Value History

## 02

### What we do

- Fields
- Expertise
- Strategic Policies

## 03

### Governance

- Founder Members
- Institutional Members
- Board of Directors
- Assembly of Founding Members
- Scientific Committee



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di Milano

1863

POLITECNICO

DI MILANO

01

## Fondazione Politecnico di Milano

About Us  
Vision & Mission  
Objectives  
A High-Value History

*It is up to us to build  
the future we desire*



# About Us

Fondazione Politecnico di Milano was established in **2003** at the behest of **Politecnico di Milano** together with the primary institutions in cities where the university has an established presence and the **Regional Council of Lombardy**, with the backing of several **important businesses and companies**.

The Foundation is actively engaged in enhancing the university's development path to ensure that innovation is applied in practice, sharing the many strengths that define Politecnico's research in the fields of **engineering**, **architecture** and **industrial design** with manufacturing companies and the local community, and driving progress to build the future.

The Foundation has been working alongside the university for twenty years, providing professional support in the **creation of companies and development of innovation projects** with an international breadth that can take the scientific excellence of Politecnico di Milano around the world.

About Us



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# Vision

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We know that it is up to us to **build the future** we desire.  
We intend to lead **technological and social transformation** sensitively and with understanding, fully appreciating that our decisions have consequences, and placing social, environmental and economic sustainability at the front and centre of our work.

# Mission

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Accelerate change by enabling **innovation that impacts positively and responsibly**, helping to maximise Politecnico di Milano's scientific excellence and re-enforce connections between people, organisations and the research world.

# Objectives

Objectives



Promote work in **applied research** and **technological transfer** for and with industry and public authorities

Build **international alliances** based on shared values, strategies and actions

Create the conditions to establish and develop projects centred on **environmental sustainability** and **digital transformation**

Support the creation of **innovative technological businesses**



## Fondazione Politecnico di Milano

**+2,400**

Partners in  
our network

**+4,000**

Projects managed  
from day 1

**+220**

Projects run  
in 2022

**93<sub>mn</sub> €**

Millions of euros  
generated in 2022

**147<sub>mn</sub> €**

Cumulative investment  
in startups 2015-2022

## Politecnico di Milano

**12**

Departments

**245**

Laboratories

**+47,170**

Students

of which  
**7,124**  
International  
students

**210,000**

Alumni  
worldwide

**+1,500**

Professors and  
researchers

### International Rankings\*

In Italy

Top ranked university in Italy

In the world

**8<sup>th</sup>** in Industrial Design

**10<sup>th</sup>** in Architecture

**18<sup>th</sup>** in Engineering

\* QS World University Rankings 2023

## A High-Value History

# Side by side with....

Companies

General public

Institutions

Associations

Foundations

Public Sector

...we seed  
responsible innovation

About Us



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Politecnico  
di Milano





02

## What we do

Fields  
Expertise  
Strategic Policies

*We are building an **innovative**  
**future** through our skills and expertise*

## These fields



Fields



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di Milano



# Skills and strengths

Expertise

Fondazione Politecnico di Milano draws on its **consolidated experience** and **multidisciplinary skills** to help you achieve your objectives.



Preferential access  
to an outstanding  
university



Auditing and  
assessment



Identifying  
financing  
opportunities



Project  
management



Technological  
transfer



IPR  
management



Agile people,  
agile processes

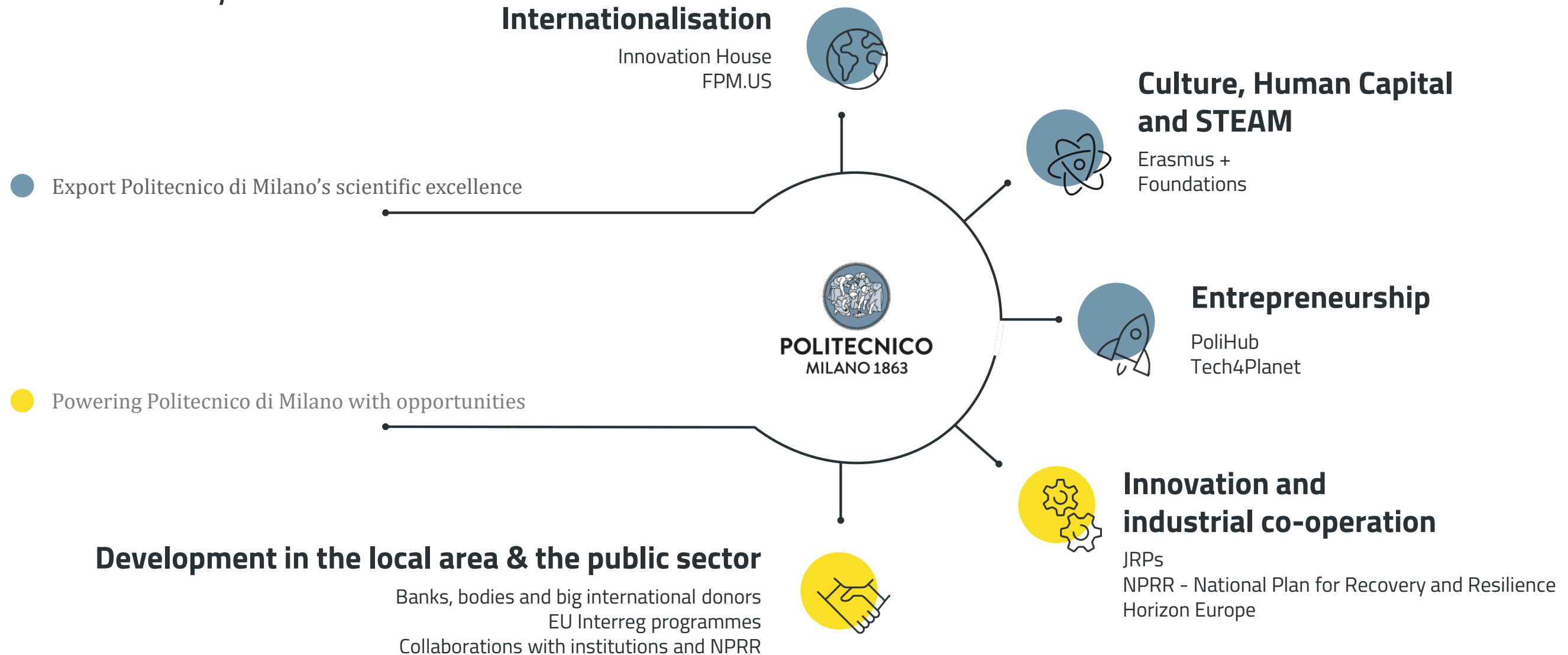


Network  
and ecosystem

# Strategic Policies

at the university's service

Strategic Policies







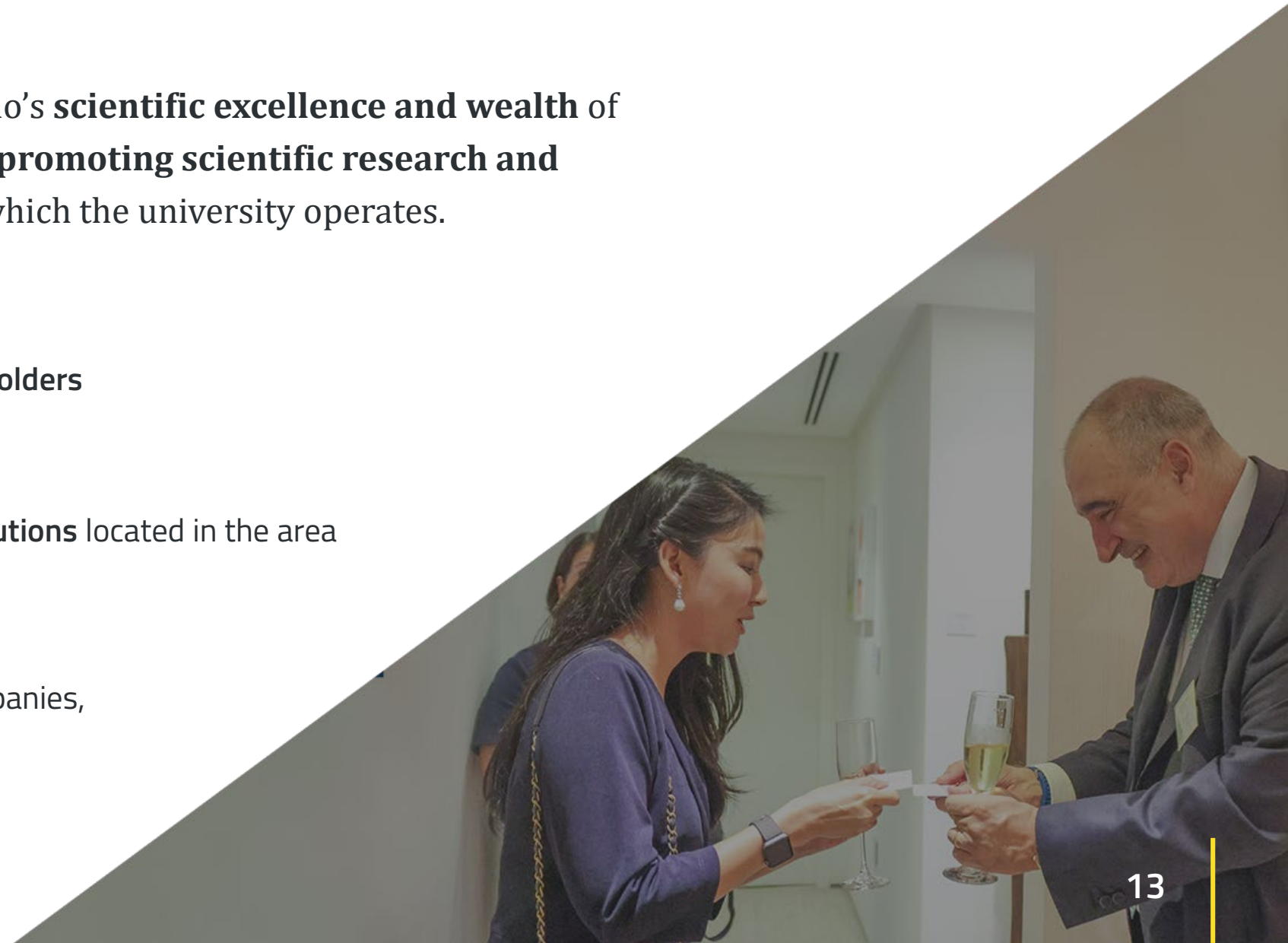
# Internationalisation

We export Politecnico di Milano's **scientific excellence and wealth** of knowledge around the world, **promoting scientific research and** Italy's **industrial system**, in which the university operates.

Relationship with **local stakeholders**

Relationship with **Italian institutions** located in the area

**International network** of companies, foundations and institutions





## Case study - Innovation House Dubai



A laboratory of ideas and innovation for companies wishing to **expand their markets and present their business**, capturing the opportunities arising from major events like Expo Dubai 2020.

### Founders



### Platinum Partners



### Gold Partners



► Find out more: [dubai.polimi.it](https://dubai.polimi.it)

Internationalisation



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# Entrepreneurship



Entrepreneurship



PoliHub is the Innovation Park & Startup Accelerator managed by the Foundation. It nurtures new **deep tech startups** which generate **value** for society and the economy, moving towards a model of **sustainable progress** built on **science** and **technology**.

*Startups*

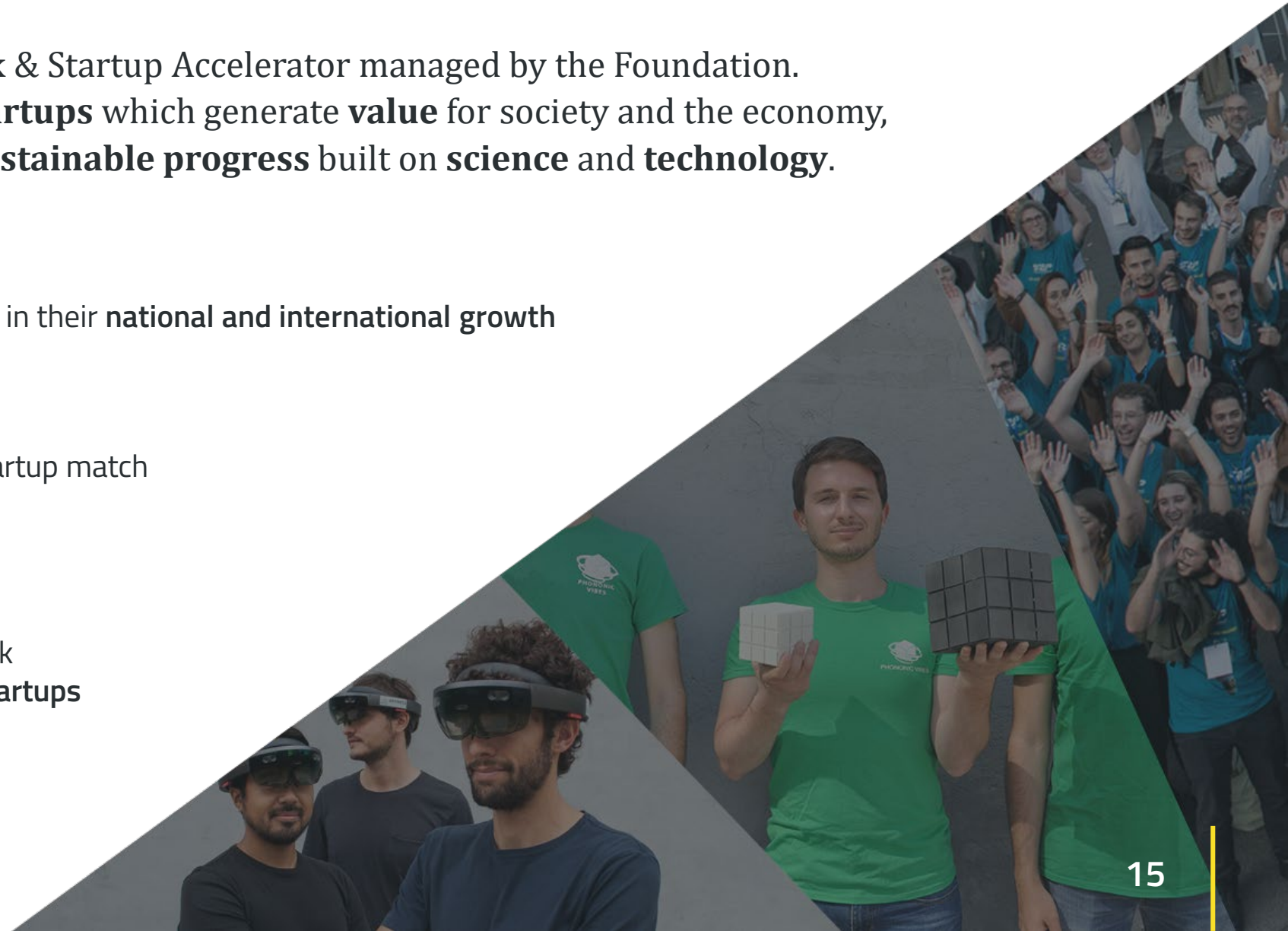
Supports high potential startups in their **national and international growth**

*Companies*

Facilitates the right company-startup match

*Investors*

Works alongside investors to back the **most promising deep tech startups**



## Performance 2015 - 2022

**8,864**

Ideas gathered

**15**

Primary  
exits

**859**

Startup  
accelerations &  
incubations

**116**

PoliHub community  
mentors

**7,700sq m**

Smart working  
areas

**147mn €**

Cumulative  
investment in  
startups

2000

2008

2013

2018

PoliHub created  
within  
Politecnico di  
Milano



PoliHub  
becomes an  
independent  
company



## Performance 2022

**1,105**

Ideas gathered

**2**

Primary  
exits

**122**

Startup  
accelerations &  
incubations

**1,500**

PoliHub community  
members

**50**

Patents  
put to use

**30mn €**

Cumulative  
investment in  
startups

2019

2020

2021

2022

First VC  
investment  
Photonic Vibes

Launching of  
International  
initiatives  
DTA & EIT  
Collaboration with  
Eni Joule







# Culture, Human Capital and STEAM

We support the growth of a STEAM culture through **school orientation programmes** and **innovation in teaching**, helping young people develop essential tools and skills to tackle their future challenges.

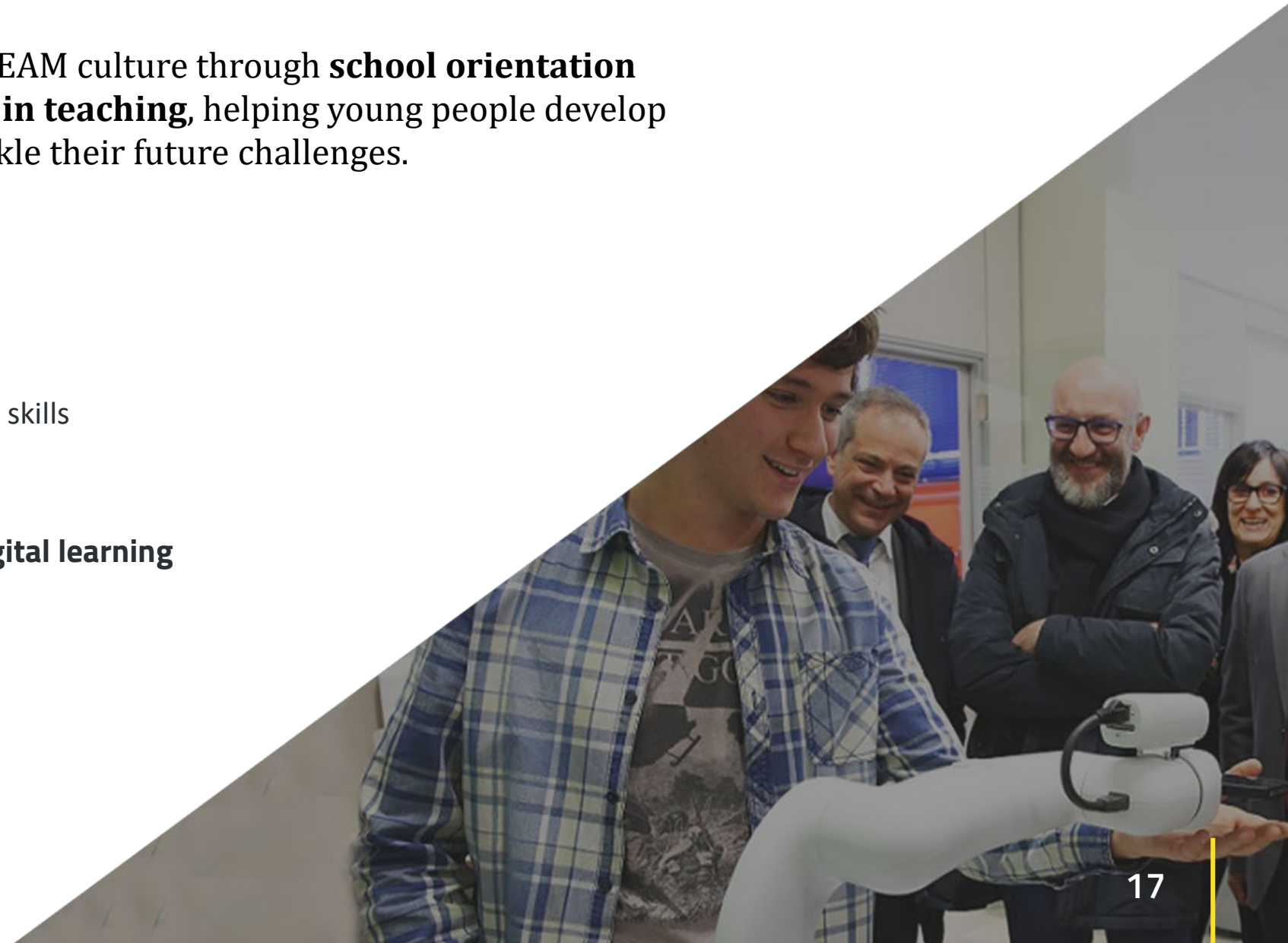
Orientation

Develop technical and scientific skills

Instruments and models for **digital learning**

Innovation in teaching

Special education needs



## Case Study - TechCamp@POLIMI

**TechCamp**  
**@POLIMI**

TechCamp is the first Italian programme where secondary school students can get a close look at university level **courses in technical and scientific subjects**.

TechCamp introduces teenagers to several of the most topical and important fields in technology, such as **programming, robotics and self-drive vehicles**.

► Find out more: : [techcamp.polimi.it](https://techcamp.polimi.it)

Culture, Human Capital and STEAM



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# Innovation and co-operation with industry

We set the ground for **technological innovation** and **co-operation with industry** through our consolidated network of local, national and international connections, thus enabling integration between the university's pioneering knowledge and the competitive industrial world in Italy and Europe.

**Needs analysis** and **identifying** the best research team to satisfy these needs

**Technological research partnerships** in cutting-edge topics

**Tenders** and **facilitated financing**





## Case Study - Hydrogen JRP



Hydrogen used as an energy vector plays a **strategic role** in the transition to a net-zero-emissions economy.

Hydrogen JRP, a **joint university-company research** platform, was set up against this backdrop to stimulate the creation of a dedicated value chain in Italy, helping companies to be more competitive and encouraging the growth of new high-tech businesses.

Innovation and co-operation with industry



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### Founders



### Platinum Partners



### Gold Partners

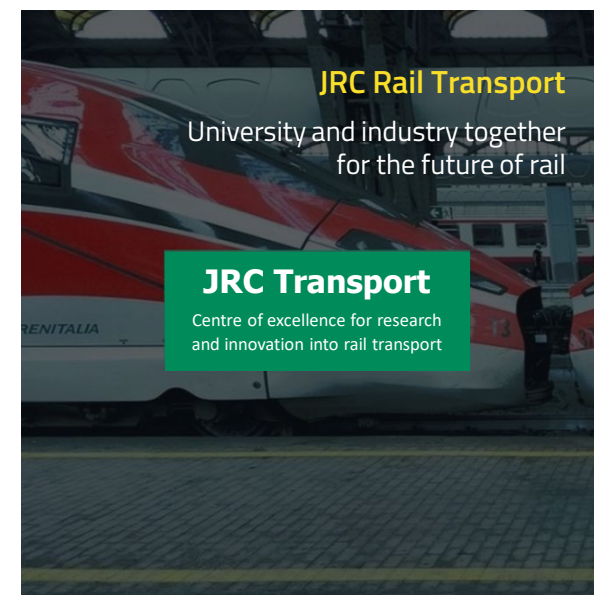


► Find out more: [fondazionepolitecnico.it/progetti/hydrogen-jrp](https://fondazionepolitecnico.it/progetti/hydrogen-jrp)



# All our research platforms

Research Platforms





Communities & public sector development

## Multilateral and local area initiatives

Skills to build ideas and to design projects that encourage territorial **co-operation**, lasting **growth** and **sustainable development**, working with multilateral organisations and local, national and international bodies in both the private and public sector.

**General contractor knowledge** and experience, with the ability to integrate and field manage a wide range of actions and work teams

**Customised solutions** that draw on the expertise at Politecnico di Milano and in our network

**Assessment for analysing and supporting** in partnership the strategies of the actors involved



## Case Study – Keeping ISA Modern



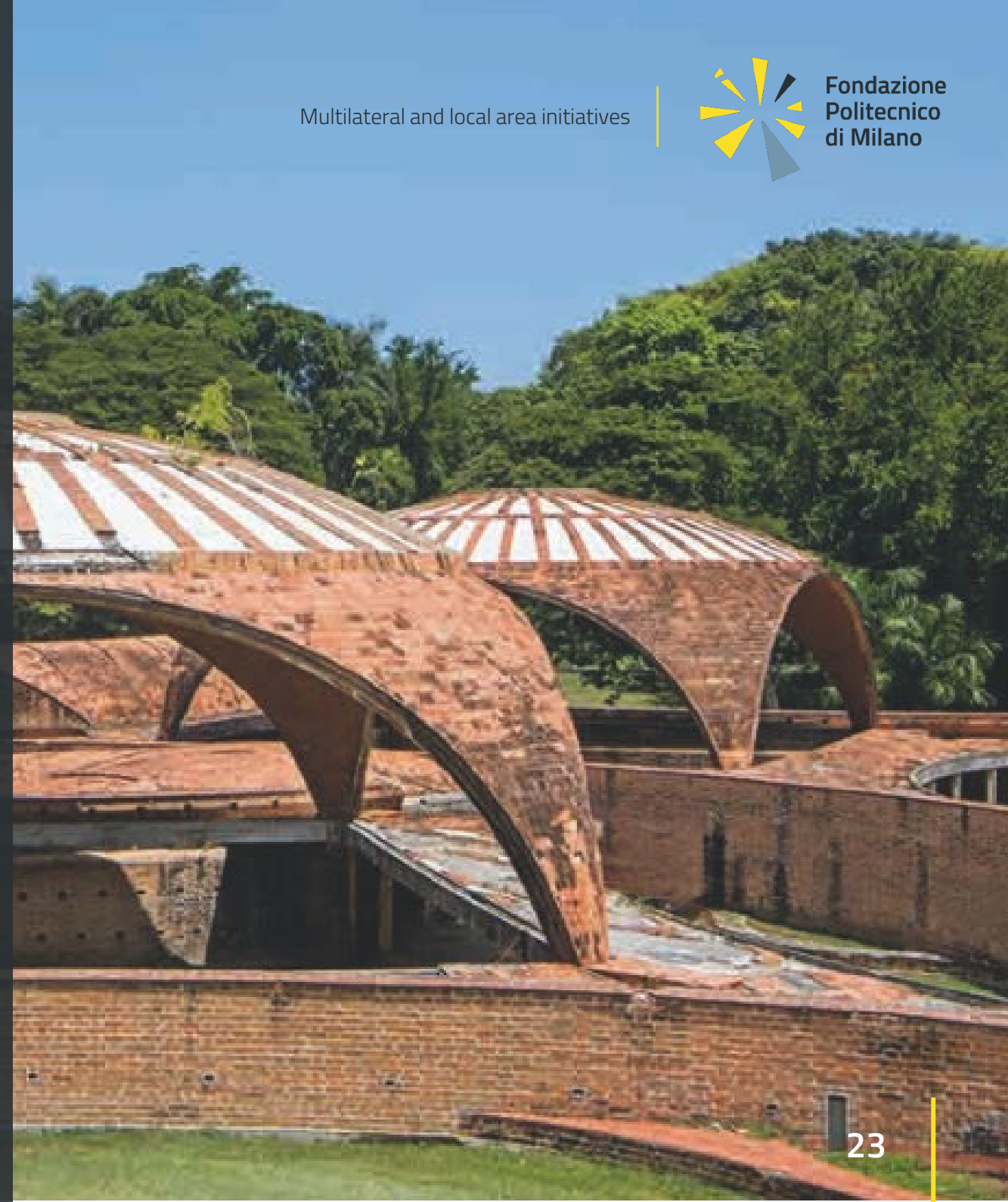
A research project to define the strategies and draft the **conservation** and **management** plan for the National Schools of Art in Havana, Cuba, a national monument and an international example of 20th century architecture.

The study was supported through the Getty Foundation's "Keeping It Modern" programme, with the involvement of three Politecnico departments: Architecture and Urban Studies, Civil and Environmental Engineering, and Energy.



► Find out more: [fondazionepolitecnico.it/progetti/sviluppo-sociale/keeping-it-modern](https://fondazionepolitecnico.it/progetti/sviluppo-sociale/keeping-it-modern)

Multilateral and local area initiatives





Development in the local area & the public sector

## Digital innovation

Work alongside public sector authorities and local areas in their **digital transformation** within healthcare, innovating the services they offer and the digital tools they use.

Relationships with **regional and national institutions, hospitals and healthcare facilities, and pharmaceutical and biomedical companies**

Plan advances in **digital services and solutions** that benefit both the establishments and the end users.

Define **guidelines and management plans** to put digital health actions into effect

## Case Study – PIMO

A **support service** to the Regional Council of Lombardy, to help it develop and apply its quality improvement programme (PIMO) to public and accredited/outsourced private hospitalisation and treatment facilities in the regional healthcare system.

The two-year project was run in partnership with EY, and involved the departments of Management Engineering and of Architecture, Built Environment and Construction Engineering (DABC) at Politecnico di Milano.

Digital innovation



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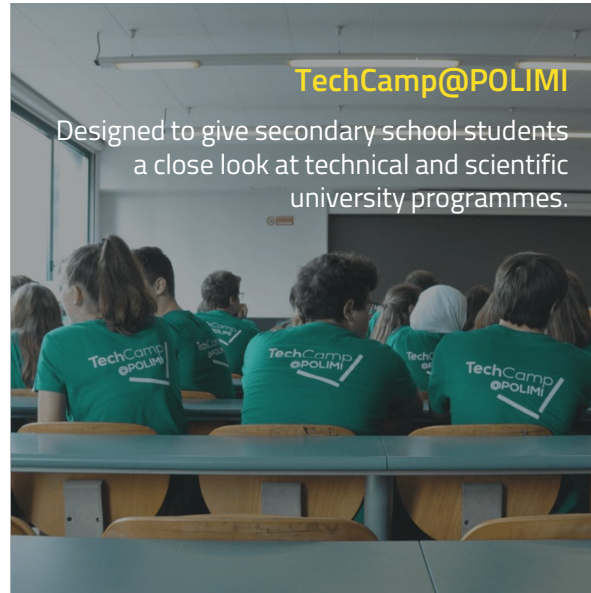


**Innovation House Dubai**

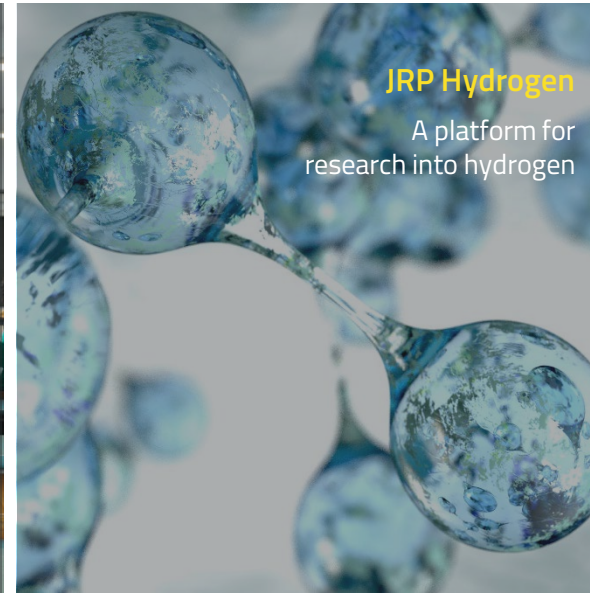
A laboratory of ideas for companies that want to present their business

**TechCamp@POLIMI**

Designed to give secondary school students a close look at technical and scientific university programmes.

**JRP Hydrogen**

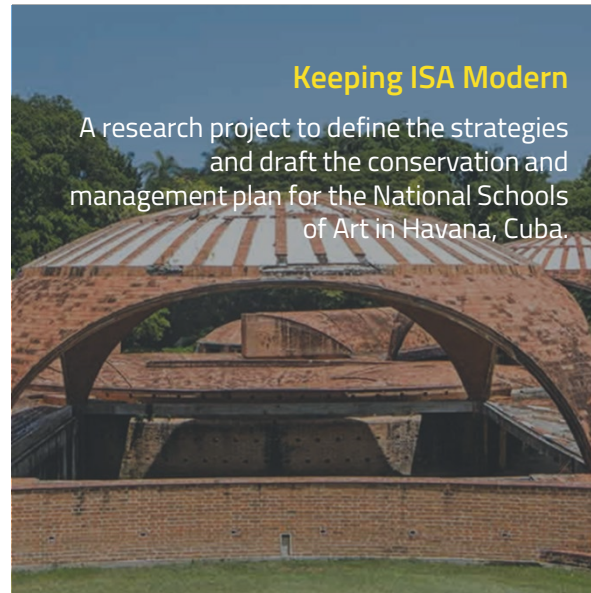
A platform for research into hydrogen

**PIMO**

Improve quality in Lombardy hospital structures.

**Keeping ISA Modern**

A research project to define the strategies and draft the conservation and management plan for the National Schools of Art in Havana, Cuba.



## Case Histories



A low-angle photograph of a modern building with a glass facade and a prominent yellow metal staircase structure. The sky is a clear, deep blue. The building's architecture features a grid of steel beams and large glass panels. The yellow staircase is a central feature, winding upwards. In the foreground, two street lamps are visible. The overall tone is professional and architectural.

# 03

## Governance

- Founder Members
- Institutional Members
- Board of Directors
- Assembly of Founding Members
- Scientific Committee

# Founder Members

Founder Members



Associazione  
**Parizzi**





# Institutional Members

**Institutional members** are public and private bodies that take part in the development of Fondazione Politecnico di Milano's work on an ongoing basis, and share its aims and purposes. Thirty or so companies and bodies are currently Institutional Members.



Air of Change



# Board of Directors

Main duties:

- Define the guidelines for the Foundation's work and the relative objectives and programmes
- Appoint the General Director
- Administer the Foundation's assets
- Approve the forecasts and actual financial statements

## Assembly of Founding Members

The Assembly consists of one representative for each Founding Member. Among its duties, it is expected to:

- Make recommendations to the BoD concerning the general direction, objectives and programmes for the Foundation's work.
- Give its opinion on the forecasts and actual financial statements
- Appoint four Directors to the Board

### PRESIDENT

Andrea  
Sianesi

### VICE PRESIDENT

Ingrid  
Paoletti

### DIRECTORS

Pierfrancesco  
De Rossi

Pierangelo  
Metrangolo

Maurizio  
Montagnese

Monica  
Papini

Lucio  
Pinto

Mara  
Tanelli

Umberto  
Tolino

Elena  
Vasco

Francesca  
Zarri

### PRESIDENT

Attilio  
Fontana  
*President of  
the Regional  
Council of  
Lombardy*

### VICE PRESIDENT

Alessia  
Cappello  
*Councillor with responsibilities  
for work policies, production,  
commerce and human resources,  
Municipality of Milan*

Vico  
Valassi  
*President of  
UniverLecco*



# Scientific Committee

The Scientific Committee is the Foundation's advisory body. It **advises and collaborates** with the Board of Directors **in defining the annual general programme** for the Foundation's events and undertakings.

## PRESIDENT

Andrea  
Sianesi

## MEMBERS

Giovanni  
Arvedi

Giorgio  
Diana

Monica Poggio  
*President of the  
Institutional Participants  
Committee*

Gaela  
Bernini

Sergio  
Dompè

Alberto  
Meda

Manfredi  
Catella

Mauro  
Fenzi

Paola  
Mungo

Enrico  
Cereda

Giorgio  
Ferrari

Veronica  
Marrocu  
*Student  
representative*

Adriano  
De Maio

Pasquale  
Forte

Marinella  
Soldi

Paola  
Delmonte

Luciano  
Galimberti

# Contacts



Fondazione  
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