



Istituto Tecnico Superiore

I T S

MOBILITÀ SOSTENIBILE.

AEROSPAZIO/MECCATRONICA

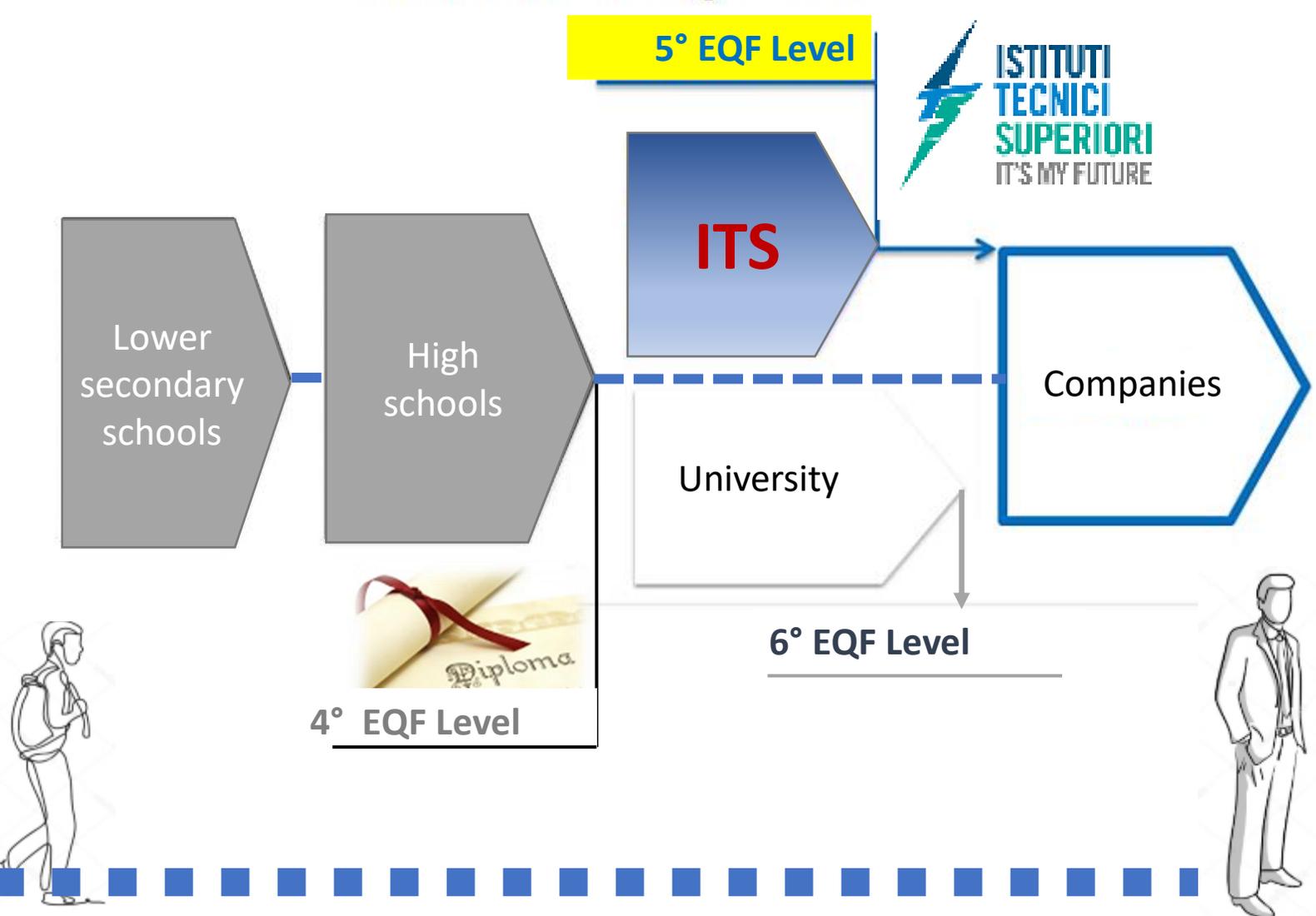
‘MADE **AND EDUCATED** IN ITALY’



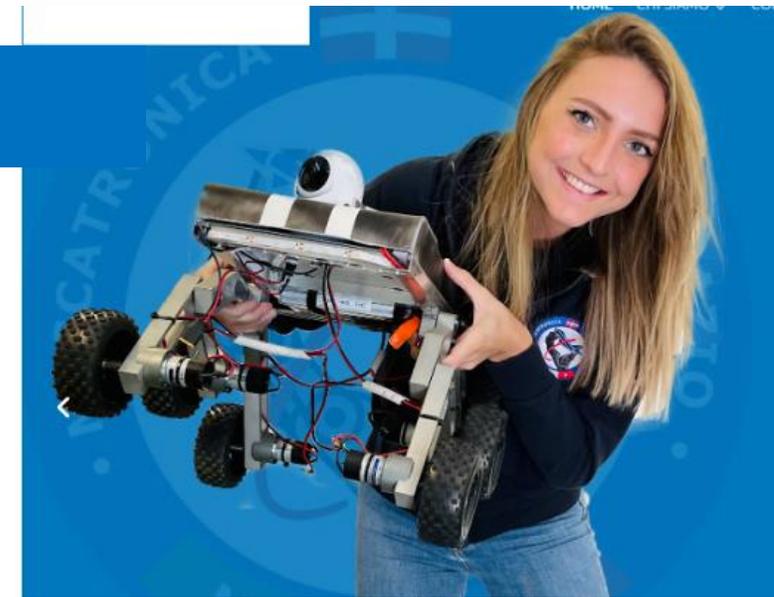
ITS High Technological Academies

An excellent alternative to university for tertiary education.

Postgraduated Technological Specialisation



ITS – High Technological Academies



➔ **A concrete alternative** to University allowing a fast-track access to work.

➔ **A High Level Technical Specialization** post-diploma courses is provided, in a context where **technologies can be touched** and where students, companies and professionals really work side by side.

➔ **The ITS Diploma is issued by the Ministry of Education** after passing a final exam. The Diploma obtained corresponds to **Level V** of the **European Qualification Framework (EQF)**.

Age



5 YEARS	3 YEARS	5 YEARS	5 YEARS	3 YEARS
PRIMARY SCHOOL <i>Scuole Elementari</i>	MIDDLE SCHOOL <i>Scuole Medie</i>	HIGH SCHOOL <i>Scuola Superiore</i>	UNIVERSITY <i>Laurea Magistrale</i>	PHD <i>Dottorato</i>
			3 YEARS <i>Laurea Triennale</i>	
			2 YEARS ITS	



5 YEARS	3 YEARS	5 YEARS	5 YEARS	3/6 YEARS
PRIMARY SCHOOL <i>Ecole Primaire</i>	MIDDLE SCHOOL <i>Collège</i>	HIGH SCHOOL <i>Collège technique/Lycée</i>	UNIVERSITY <i>Master</i>	PHD <i>Doctorat</i>
			3 YEARS <i>Licence</i>	
			2 YEARS BTS	



4 YEARS	9 YEARS		5 YEARS	3 YEARS
PRIMARY SCHOOL <i>Grundschule</i>	MIDDLE SCHOOL- HIGH SCHOOL <i>Gymnasium</i>		UNIVERSITY <i>Master</i>	PHD <i>Promotion</i>
	4/6 YEARS <i>Realschule</i>		3 YEARS <i>Bachelor</i>	
	5 YEARS <i>Hauptschule</i>		2 YEARS <i>Fachhochschule</i>	





SUSTAINABLE MOBILITY-AEROSPACE-MECHATRONICS

Since 2010



Stefano Serra - PRESIDENT of the Foundation
Chief Executive Officer & Managing Director - TESEO S.p.A - EES CLEMESSEY Italy,

Vice President of FEDERMECCANICA – (Italian federation of metallurgical and mechanical trade unions), President of Takeoff Accelerator



Cofinanziato dall'Unione europea





Members of our ITS

Local Authorities



Universities and High Technical Institutes



Companies



VET providers
Innovation Hubs





Some numbers...

650 Students → **12** Courses I Year, **12** Courses II Year

+450 companies have collaborated with us

→ **+250** companies currently collaborates with our students

+90% Corporate teaching **98%** of employment at the end of the course





Training Areas

MECHATRONICS, AEROSPACE, E-MOBILITY



Industry 4.0 and Robotics
Embedded Mechatronics

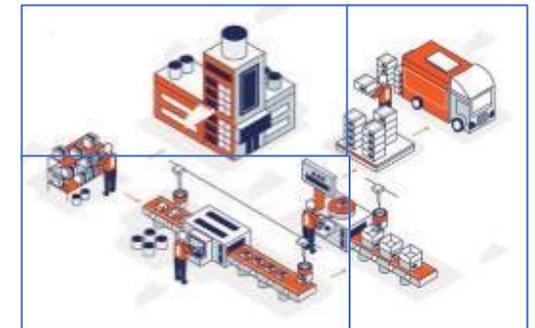


Aeronautics



Digital manufacturing

SUSTAINABLE MOB., TECHNICAL SALES



Logistics and Sustainable Mobility



E-mobility



Space Testing and Systems
Space EXploration



Additive manufacturing

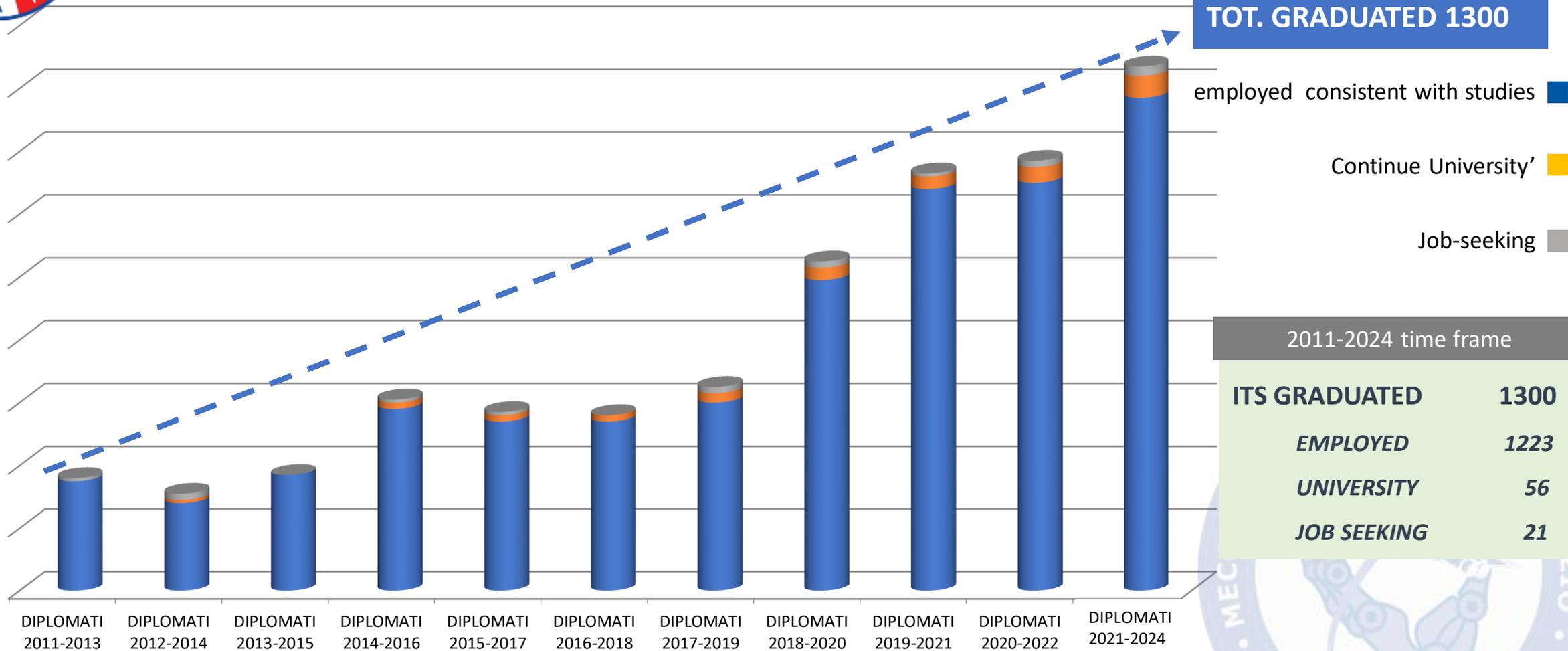


Marketing and Internationalisation



ALUMNI DATA OVER YEARS 2011-2025

TOT. GRADUATED 1300



2011-2024 time frame

ITS GRADUATED	1300
EMPLOYED	1223
UNIVERSITY	56
JOB SEEKING	21



1st YEAR Course – 900 hours

900 hours of Course/Training + **150** hours *'EMPOWERMENT PROGRAMS'*

Specific Insights propedeutic to enter the company (Internship or AAF)



- EDUCATIONAL REALIGNMENT
- ENTRY COMPETENCES TESTS

LAB AND WORKSHOP BY AND IN CO-OPERATION WITH COMPANIES

MULTIDISCIPLINARY PROJECT

*WE GIVE YOU CONTENTS BUT YOU HAVE THEN TO APPLY THEM TO A REAL PROJECT
From CONTENT to CONTEXT*

PILLARS:

- WORKSHOPS
- 'GODMOTHER' Company
- Technical MENTOR
- Corporate Teaching



2nd YEAR Course – 900 hours

250 hours of Course + **650** hours **INTERNSHIP**



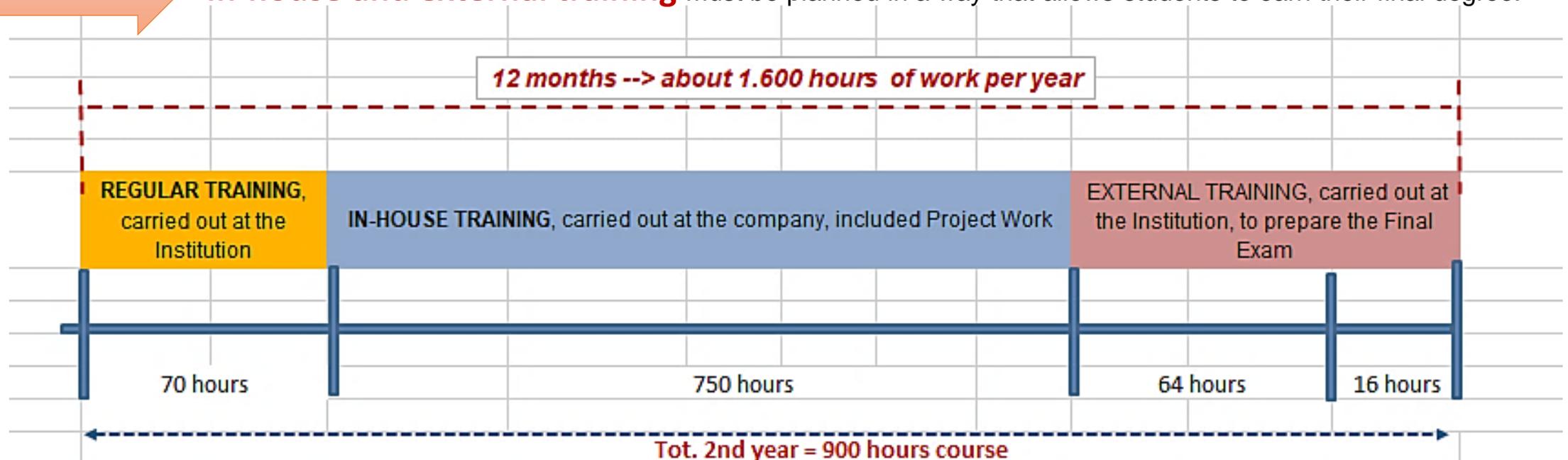


Higher Education Apprenticeship in Italy

THE DURATION of the contract to obtain a Degree **cannot be less than 6 months and is equal to the statutory duration of the related ITS career path.** The end of the apprenticeship period coincides with the date on which the degree is awarded, or the thesis is discussed.

THE END of the apprenticeship period coincides with the date on which the degree is awarded.

In-house and external training must be planned in a way that allows students to earn their final degree.

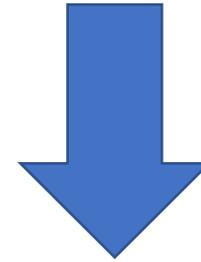




2nd YEAR Course



Higher Education Apprenticeship



A successful experience of Dual
Apprenticeship



Higher Education Apprenticeship in Italy



Higher Education Apprenticeship is an **open-ended employment contract** aimed at training and employing young people between 18 and 29 years of age



In view of the need to **provide companies with highly qualified young people**, capable of improving their innovation drive, we plan advanced training apprenticeships for the acquisition of the professional degree programmes, 5th level Diploma



This learning path feature **an intense cooperation between ITS and companies**. By emphasising work as a learning process, it contributes to the development of skills that really meet the specific needs of the economic system, in line with the skill requirements expressed by companies in Piedmont.



Our Experience

2018 -----> 2025

+ 700

Higher Education Apprenticeship Contracts completed

+ 580

Companies have confirmed successfully at the end of AAF



Companies → +90% Corporate Teaching

A successful Higher Education Apprenticeship starts

CO-DESIGNING with companies!

We work side by side with companies every year to design the best training path for both our students and industries.





Companies → **+90% Corporate Teaching**

... continues in the classroom with students...



Assessment in a non-evaluative context.

Teaching, Workshops, Empowerment programs allow assessment of the student in a non-evaluative interview context

Matching training and skills needed.

Possibility to verify that skills taught really match what companies need.



Companies → +90% Corporate Teaching

... and ends with a
COMMON SUCCESS!



Those who teach learn twice

Forcing technicians or employees to also become trainers!



Learning to monitor and evaluate

Teachers become skilled at assessing learning.



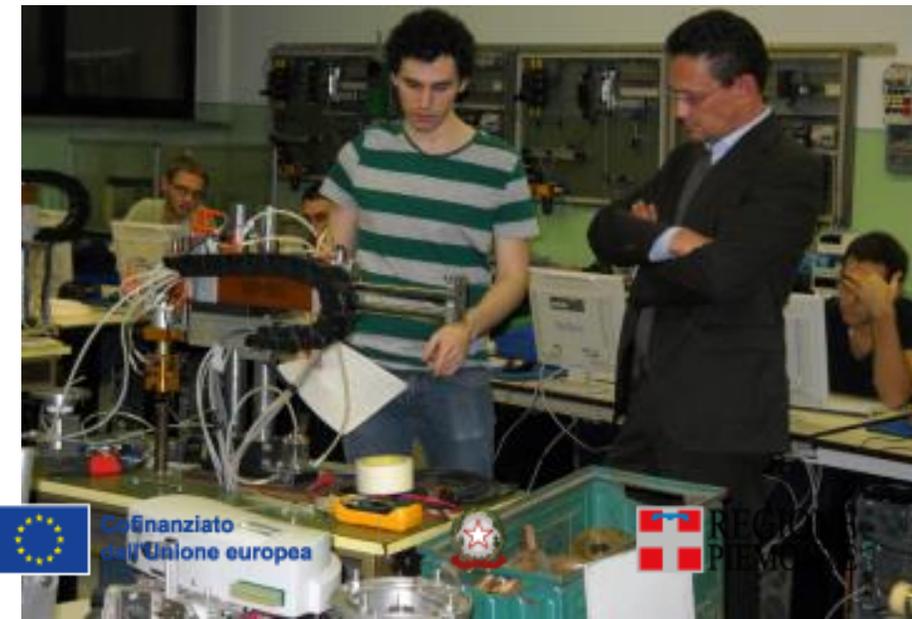
Involvement from the territory thanks to REGIONE PIEMONTE

Value for the territory



The tool of high apprenticeship is a formidable opportunity to encourage collaboration with all actors in the territory because it really promotes innovation of business practices and **contributes to the creation of medium-long-term job opportunities.**

The theme of 'Education and Relationship with the Productive World' is centralized because of the stable and structural connections with over 250 companies in Piedmont, which enables many young people enrolled in our programs **to train directly on the enabling technologies of companies and experience innovation 4.0.**





1----Companies: a long-lasting legacy



UNIONE INDUSTRIALI
Torino

&



CAMERANA
LEARNING HUB



A 60-year-long history in Piedmont



Industrial Union Turin



UNIONE INDUSTRIALI
Torino



Promote, and protect: The interests of industry, representing and assisting it vis-à-vis the Authorities, Administrations and Economic and Trade Union Organizations

Let it know: To the public the point of view and the appraisals of the entrepreneurial world

Promote: Dissemination of business and market culture.

Ensure: The best services of advising and assistance to the enterprises, also in coordination with the other components of the confederal system

Cooperate: With other public and private bodies, to promote economic and social development in the province of Turin, protecting the role of local industry and the interests of entrepreneurs.



ASSOCAM Scuola Camerana Turin



CAMERANA
LEARNING HUB

is a key player in the regional VET system of Piedmont Region, with the **historical role of supporting skilling, up-skilling and re-skilling workers** from large to medium sized companies in the automotive industry, more recently also with the avionics and aerospace sector, in line with regional smart-specialisation strategies.

Since 1959, the School has been operating with the aim of providing a concrete contribution to the development of professional skills for both employed and unemployed individuals (young and adults).

It mainly conducts vocational training activities in the field of technologies applied to industrial processes, based on a planning **closely aligned with the training needs of local production facilities.**





Students → supporting inclinations and potential

Students-attitude centered

For years our Foundation has been carrying out a training aimed at **exploring and supporting the inclinations of the student to obtain a passionate and specialized resource** in one or more of the areas of the ITS courses we provide (Sustainable Mobility and New Technologies for Made in Italy) and has always been committed to **cultivate and pursue the ability to innovate** and train new talents/ profiles of the future.





Students → sustainable transformation

New methodologies.

Working in a structured manner with companies and students is necessary because **users have changed and new generations have come along.**

Approaching young people for employment requires new methodologies

The new generation pays attention **not only to technological changes but also to the sustainable transformation of the environment, economy, and society.**



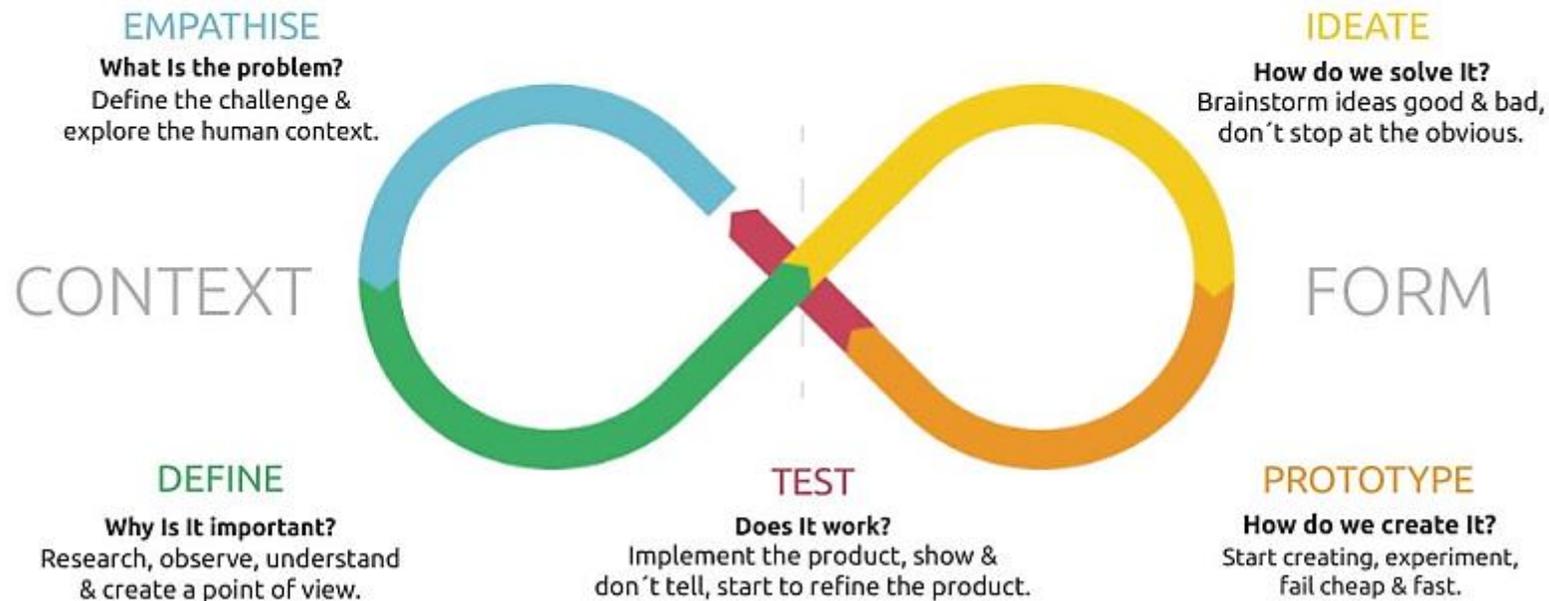


Students → human centered methodologies

Students need to be trained in a **multidisciplinary perspective** where they develop

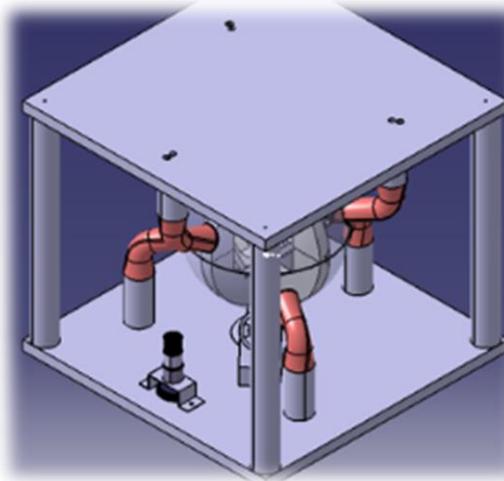
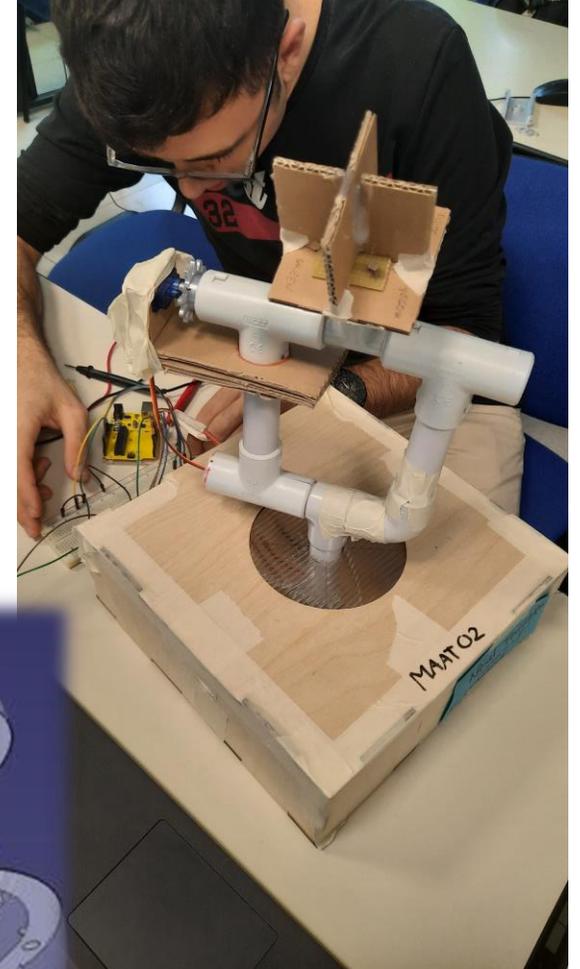
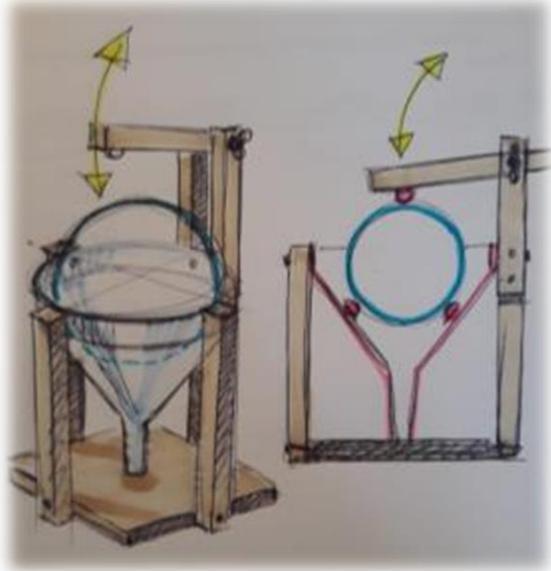
DESIGN THINKING A FRAMEWORK FOR INNOVATION

not only technical but also personal and social skills according to innovative human-centered methodologies.





Design Thinking and low cost prototyping





'Orientamoli' – Wayfinding Design





'Sharing Ability' - Disability Project





Go-Kart - electric/pedal assistance





Our Experience in Europe



Made&Educated in Italy

Our successful experience of almost 15 years in the field of tertiary education has allowed us to consolidate a methodology within the dual project, **becoming a hub for students and for companies from all over the country.**





Euroskill 2021 – 2022 - 2024

EXPERT

worldskills
Italy



SONO
Matteo Piviotti

Fondazione
Its Mobilità sostenibile,
aerospazio e meccatronica
di Torino



INDUSTRIA 4.0

EXPERT

EXPERT

worldskills
Italy



SONO
Vito Trani

Fondazione
Aerospazio Meccatronica
di Torino



MECCATRONICA

EXPERT





MADE *AND EDUCATED* IN ITALY



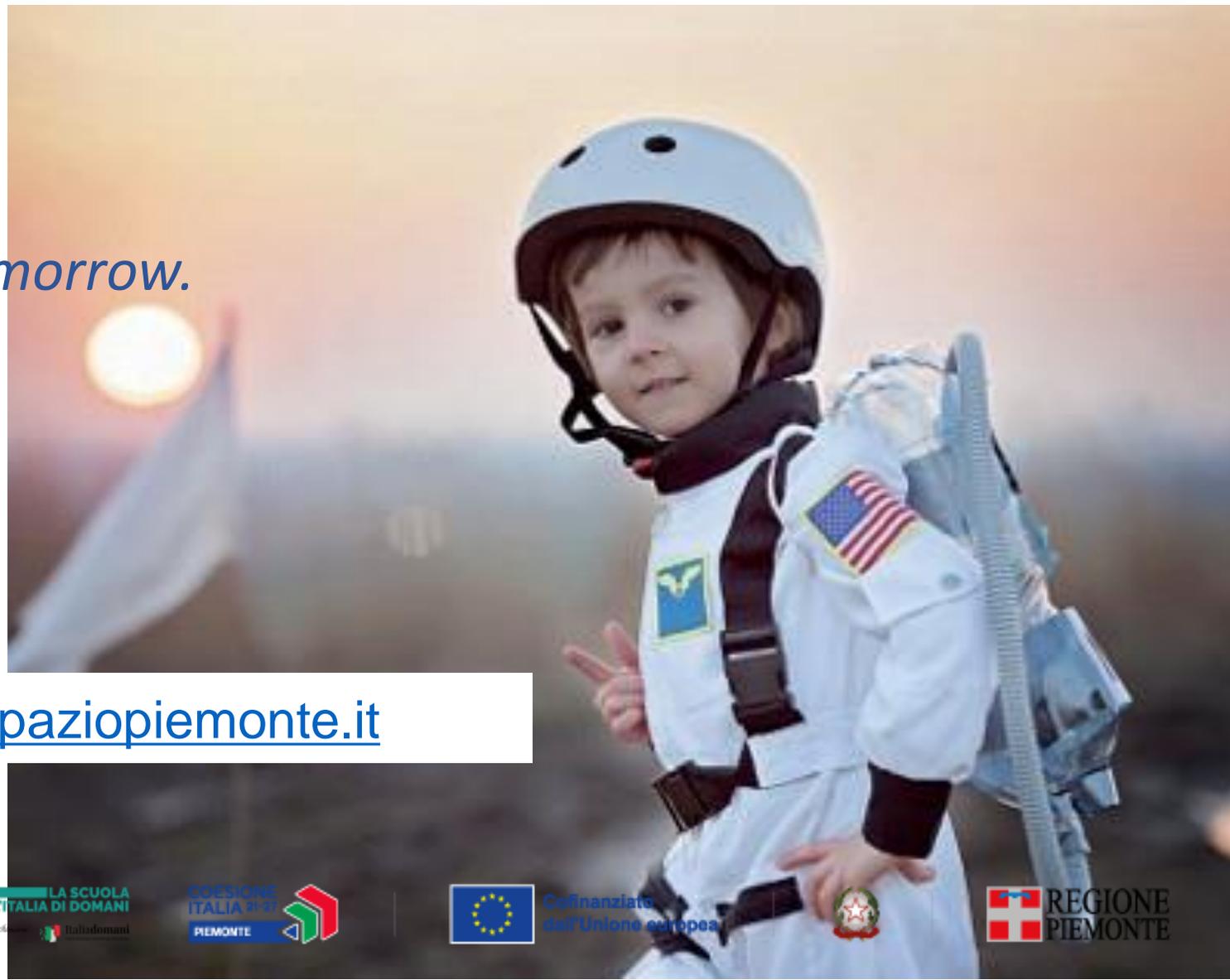
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I T S

MOBILITÀ SOSTENIBILE.

AEROSPAZIO/MECCATRONICA

*... If we think about it today,
we can change it tomorrow.*



www.its-aerospaziopiemonte.it