

Bridging Industry and Academia

July 2020

STEAM | 100% PBL PROJECT BASED



Academic STEAM areas

Aerospace and Aircraft Engineering Architecture Biomedical Engineering Civil Engineering Computer Science Engineering Design (Interior, Product, Graphics) Industrial Systems Engineering Mathematics and Data Analysis Engineering Physics Videogame Design and Digital Animation

+2.400 students, 89% employability more than 580 teachers (professors + external professionals)

Degrees & Postgraduate degrees, in continuous portfolio evolution

Student and R&D projects in collaboration with the industry

NAAB & RIBA accredited Programs

CAE Business Advisory Board with business and industrial leaders

http://projectbasedschool.universidadeuropea.es/

(1) 2019-2020





Partners and business collaborations

We collaborate with leading and innovative companies in all kinds of industrial and business sectors, ranging from long-term collaborations to one-shot professional networking initiatives.

http://projectbasedschool.universidadeuropea.es/escu ela/escuela/colaboradores



ESCUELA DE ARQUITECTURA INGENIERÍA Y DISEÑO

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Facilities for projects and shared collaborations



Specialized facilities to enable projects and collaborations: FabLab UE TechFactory

Aerodynamics and wind tunnel laboratory

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- BIM Lab
- ...and much more

http://projectbasedschool.universidadeuropea.es/escu ela/escuela/instalaciones

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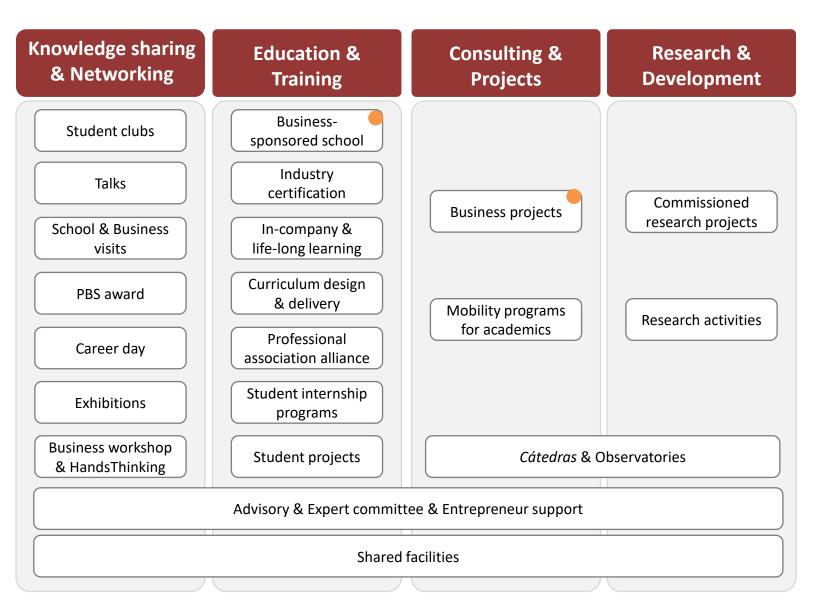


Collaboration areas

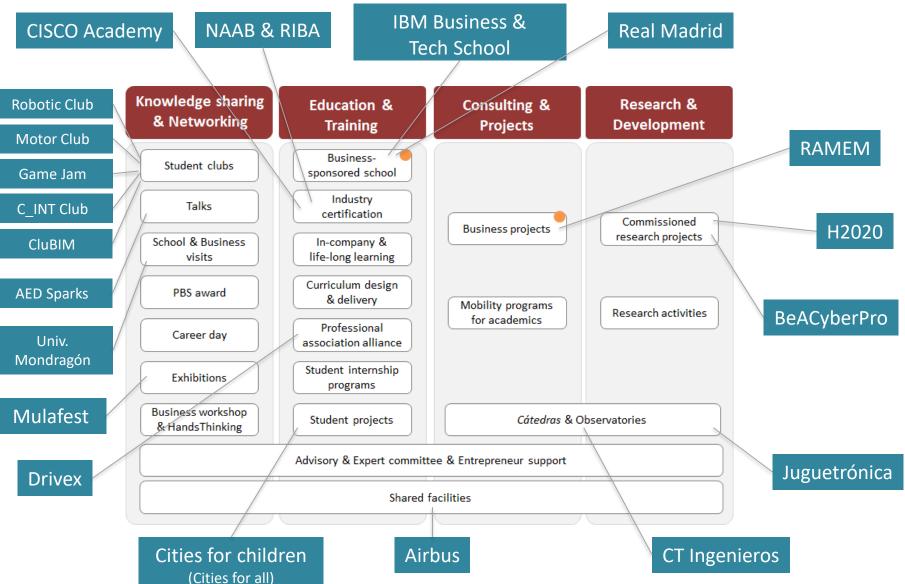
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Knowledge sharing	Education &	Consulting &	Research &
& Networking	Training	Projects	Development
Value dissemination and networking in academic and industry community	Bi-directional learning initiatives and knowledge cooperation programs	Projects and Innovation programs	Joint R&D and contract research for scientific production

Collaboration catalog



Examples of recent collaborations and initiatives



Partner-sponsored

Universidad Europea

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Knowledge sharing & Networking

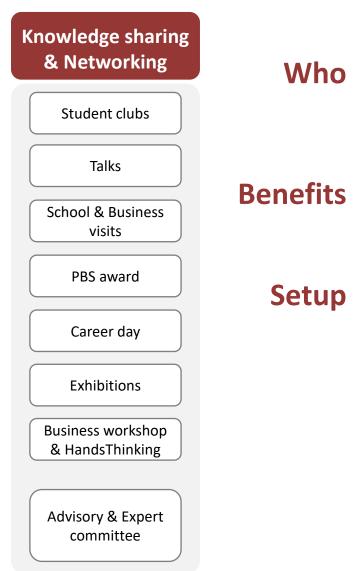
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Knowledge sharing & Networking



Any organization or institution (Company,Who University, NGO, etc.) who wants to collaborate with AED in a short-term and easy-to-use setup.

- Networking & Showroom
- Talent discovery
 - Knowledge and ideation sharing

Ad-hoc collaboration agreements.

Short-term collaborations (1/2 day up to 1 week).

Knowledge sharing & Networking			
Student clubs			
Talks			
School & Business visits			
PBS award			
Career day			
Exhibitions			
Business workshop & HandsThinking			
Advisory & Expert committee			

Game Jam (11th edition)

Museo Tyssen Bornemisza and AED students

enjoyed a 3-day Game Jam event to discover and create Videogame with Arts and Painting as topic, with more than 110 participants, and more than 16 Videogames ideas and prototypes.

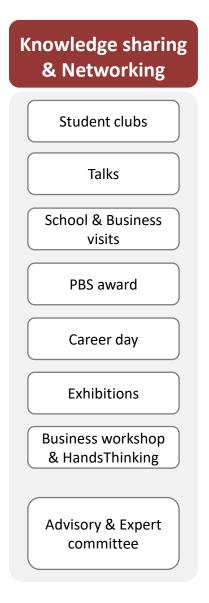
"quote from Museo"

https://www.educathyssen.org/programas-publicos/game-jam-weekend

https://universidadeuropea.es/noticias/game-jam-weekend-arte-y-genero-para-lacreacion-digital-de-videojuegos

https://www.eleconomista.es/ecoaula/noticias/9177625/06/18/us/La-Universidad-Europea-y-el-Museo-Thyssen-proponen-crear-un-videojuego-sobre-arte-ygenero.html

Universidad Europea



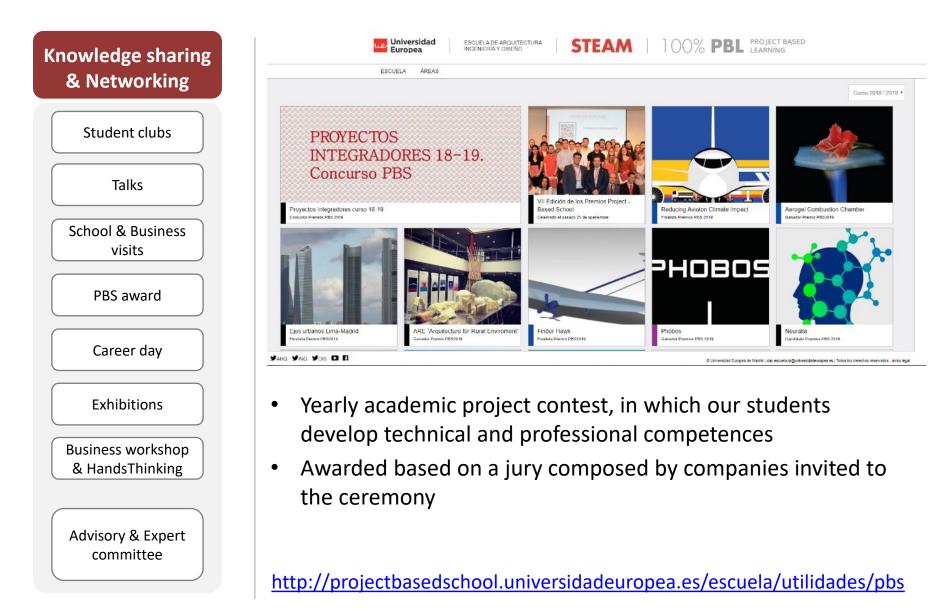
Mulafest (8th edition)

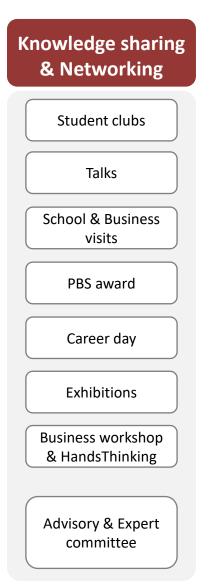


 Students of Art, Design and Architecture Degree collaborate with Urban Trends Festival Mulafest with the production of ephemeral interventions.

https://www.ifema.es/mulafest/arte

https://universidadeuropea.es/noticias/la-universidad-europeacolabora-por-septimo-ano-consecutivo-con-el-festival-mulafest





CAE Business Advisory Board

Analysis, prospective and debate with top-level representatives of the industrial and professional world.

This think tank helps the School to align its efforts in innovation and methodology with the current and foreseeable needs of the professional world, ensuring the best training for its students at all levels.

http://projectbasedschool.universidadeuropea.es/escuela/escuela/con sejo_asesor_empresarial

Education & Training

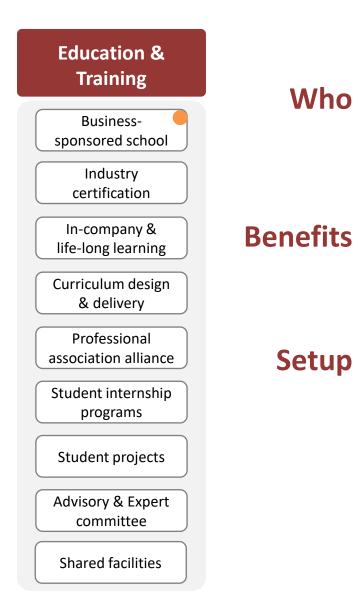
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Education & Training



Any organization or institution (Company,
University, NGO, etc.) who wants to offer Education
and Training or requires workforce training in
collaboration with AED experts.

- Competency and proficiency development aligned to business & market needs
- Workforce development
 - Business development

Partner, ad-hoc and standard contract-based collaboration.

Duration specific to each collaboration.



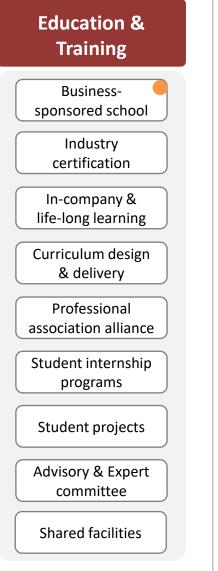
Cisco Academy

CCNA Certificate

Universidad Europea is part of Cisco Networking Academy Program in Spain, delivering ICT educational training programs and official certification into the STEAM curriculum.

Universidad Europea is granted the "Best Cisco Networking Academy Center" award: <u>https://universidadeuropea.es/en/news/universidad-europea-is-granted-the-best-cisco-networking-academy-center-award</u>

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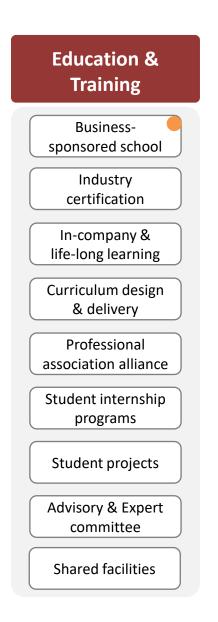
Cities for children, cities for all La ciudad de l@s niñ@s **Ayto. Fuenlabrada + Indaga Research and CambiaMo-Changing Mobility**

Safe School Roads initiative, launched by the Fuenlabrada City Council, to promote sustainable, autonomous and active children's mobility on their way to school.

- Analysis and redesign of residential areas
- Data processing and mapping (GIS) of school itineraries
- Pedestrian audit and improvements proposal for school environments
- Project's branding and naming
- Urban signage design for school routes
- Design and assembly of thematic exhibitions
- Conferences, fieldwork, professional meetings Council and companies



https://memuevoporfuenlabrada.es/caminos-escolares/

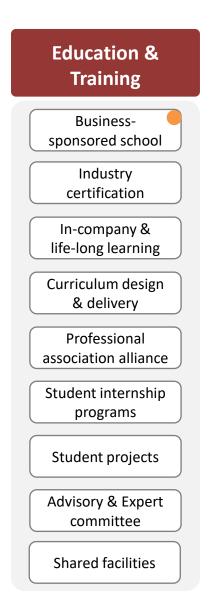


Business & Tech School IBM Universidad Europea The first dedicated business and tech school in Spain.

Innovative postgraduate programs and expert courses in Management, Big Data & Analytics, Cloud & IT Security, Blockchain and Artificial Intelligence.

- International case studies, access to conferences, meetings with experts and professionals from IBM and other leading companies in the tech sector
- IBM actively participates in defining program content, teaching and co-directing each of the postgraduate programs
- Students receive a unique experience thanks to their access to tools, technologies and real projects
- Visit to IBM laboratories and innovation centers in Spain and abroad

https://universidadeuropea.es/en/business-tech-school https://youtu.be/jrnoJIdWv50



In-company & Life-long learning

The European University "Expert Postgraduate Masters" and courses are specifically designed at professionals seeking continuous learning.

- Postgraduate degrees aimed to suit professional needs and become an expert in new technologies and advanced topics
- Portfolio by type of study and area of knowledge
- Adapted to professionals study requirements (duration, pace)
- Optional customized content based on particular needs

Example of our postgraduate expert offering:

https://universidadeuropea.es/business-techschool/titulacion/postgrado-inteligencia-artificial

Consulting & Projects

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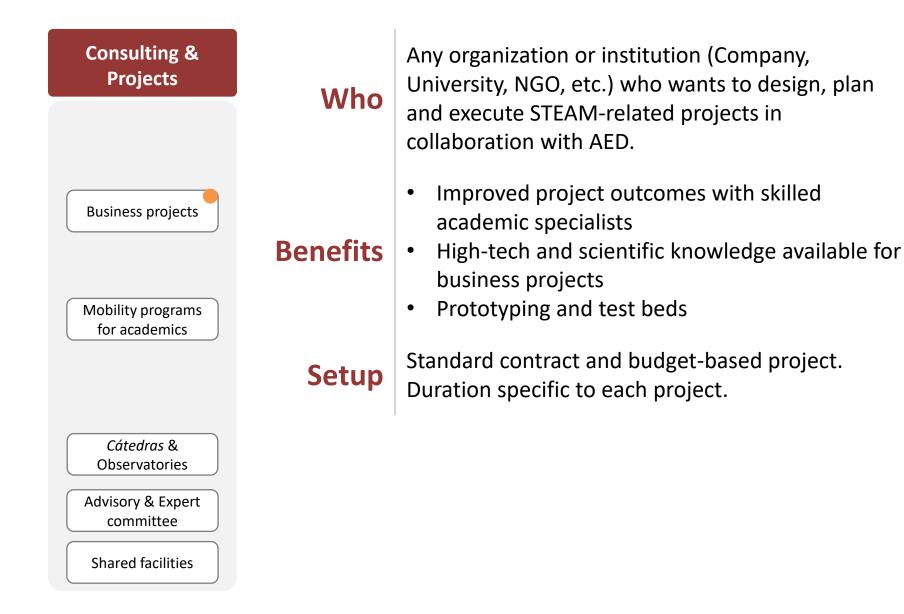
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Consulting & Projects



Consulting & Projects - Example



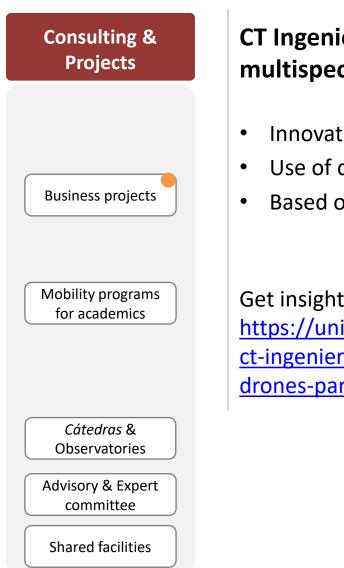
Juguetrónica - Unmanned aerial vehicles

Drone Smart Search, a software solution developed in collaboration with Aerorobótica (Juguetrónica's professional drone division)

- Autonomous drone control solution for landing, take off and target tracking
- Operator base control station for target selection
- Relevant to search and rescue missions, traffic control, security and surveillance, emergency services, etc.

Get insight into the solution: <u>https://aerorobotica.com/aerorobotica/software/</u> <u>https://www.innovaspain.com/software-automatizacion-vuelo-</u> <u>drones-drone-smart-search/</u>

Consulting & Projects - Example



CT Ingenieros - Web development platform for processing multispectral imaging mission planning and UAVs

- Innovative project applied to health and crop maturity control
- Use of drones with an optimized flight plan
- Based on multispectral image analysis

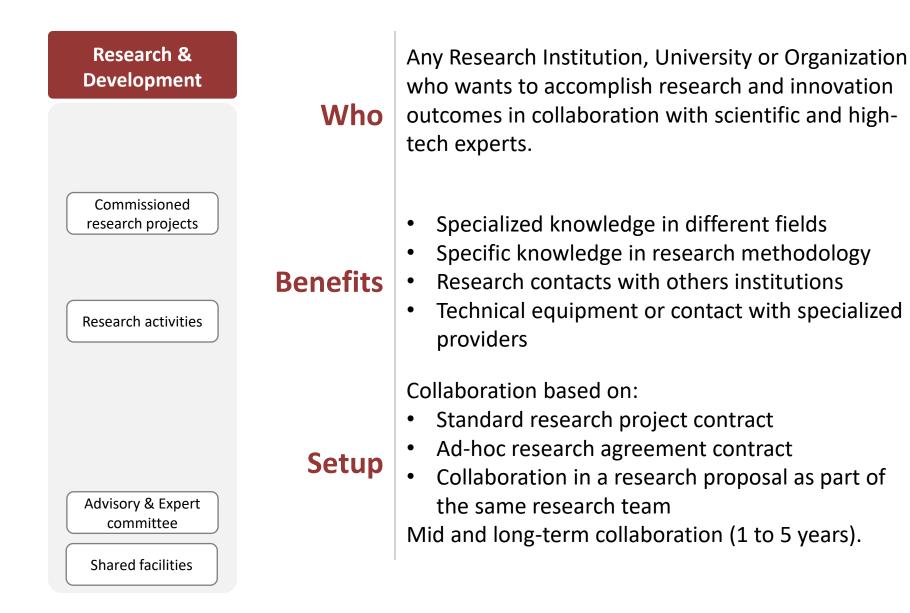
Get insight into the project: <u>https://universidadeuropea.es/noticias/la-universidad-europea-y-</u> <u>ct-ingenieros-ponen-en-marcha-una-catedra-de-aplicaciones-de-</u> <u>drones-para-analizar-cultivos</u>

Research & Development

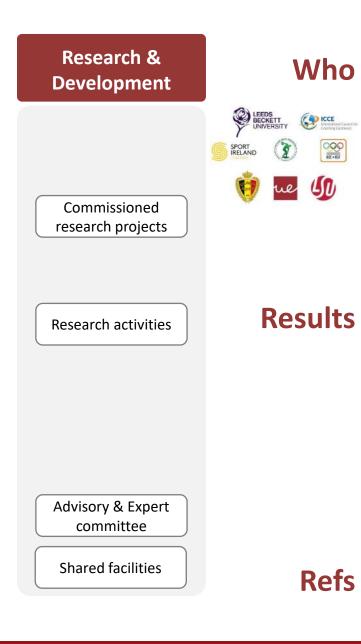
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Research & Development



Research & Development - Example



European Commission through iCoachKids Consortium made up 8 European institutions such as Sports Federations (national and international), Universities or Governments Representatives

- An **interactive online platform** where youth sport coaches can share and learn from each other January 2017
- FREE e-learning in the shape of three newly developed Massive Open Online Courses (MOOCs) – Summer 2018
- A repository of new and existing resources and materials from all over the world aimed at youth sport coaches and parents – January 2017
- Regular blogs and articles from expert international contributors – January 2017
- A European Coaching Children Curriculum Summer 2017
- A collection of case studies of good practice in the education and development of children and youth sport coaches – Summer 2017
- A report on the nature of the **Coaching Children Workforce** across seven European Countries – Summer 2017

https://www.icoachkids.eu/

http://e-learning.icoachkids.eu/login/index.php https://www.youtube.com/channel/UCMMDMadIm u15v-Wo4-c-vOw **Contact information**

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