



UNIVERSITAT POLITÈCNICA
DE CATALUNYA
BARCELONATECH

UPC

Universitat
Politècnica de Catalunya
BarcelonaTech

Academic year 2023-2024

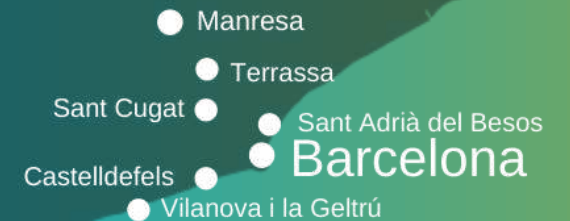


UNIVERSITAT POLITÈCNICA
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We are **UPC**

The **Universitat Politècnica de Catalunya - BarcelonaTech** is a public institution of **Higher Education and Research**, specialised in the areas of **Architecture, Engineering, Science and Technology**

We are a leading
technological
university at the
south of Europe



A hub for Education, Research, Innovation and Internationalisation.

Barcelona

- ... The Southern gateway to Europe
- ... Mediterranean Capital
- ... Bridge to the Maghreb
- ... Platform for links to Latin America

1 636 732	Inhabitants
3 719 096	Inh. Metropolitan Area
112,4	GDP per capita (Index EU27=100)
66 436 346	kTn harbour total transit (2021)
52 657 600	Airport passengers (2019)
471 885	Companies (BCN region)
8 908	Foreign companies (Catalonia)



18
Schools

30
Departments

141
Research groups



Fields

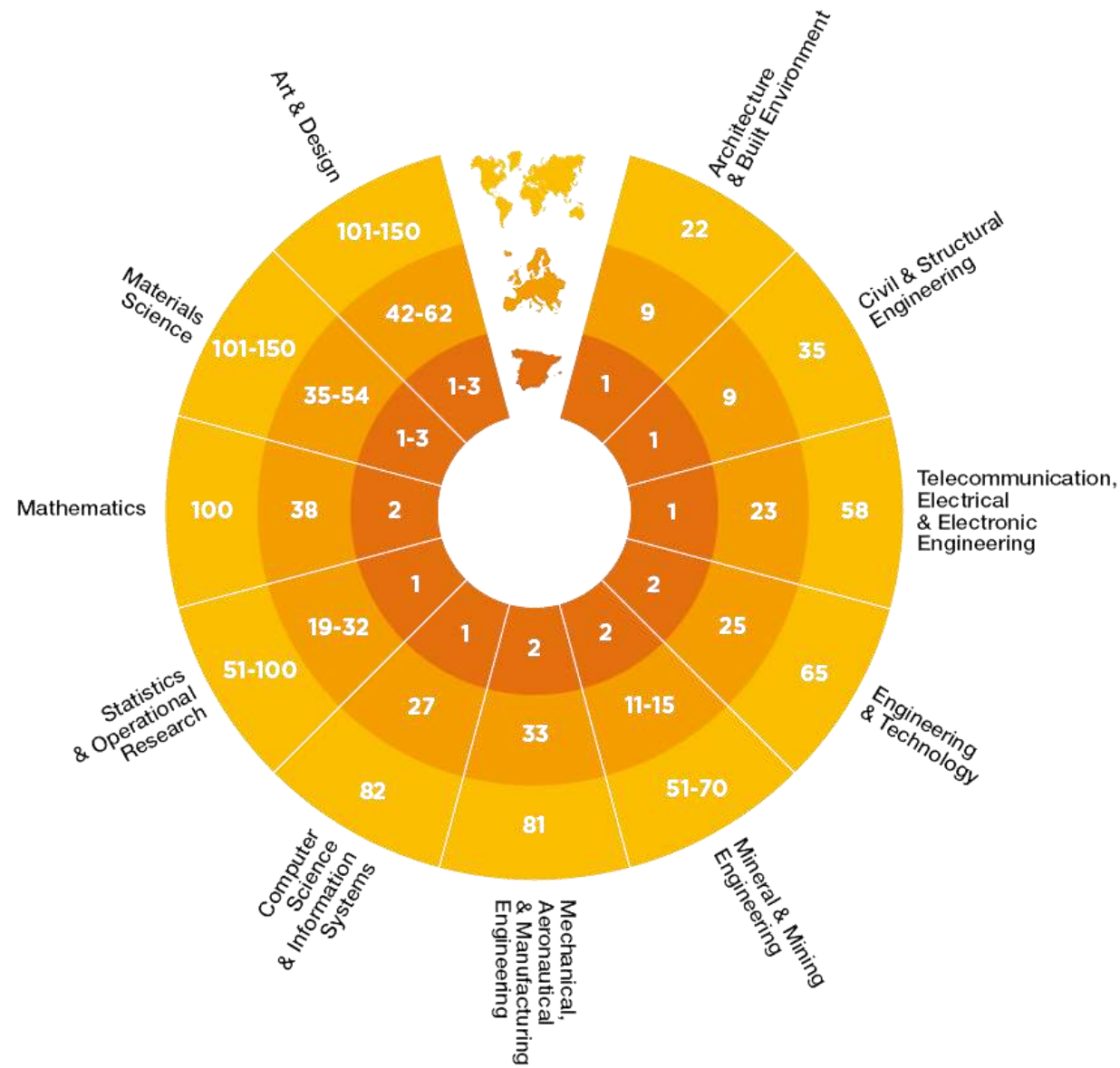
- Architecture and Urban Planning.
- Aerospace Engineering
- Agricultural and Biosystems Engineering
- Civil, Environmental and Geological Engineering
- Computer Science
- Engineering for Industry: Energy, Biomedical, Chemical, Electrical, Materials and Mechanical, Naval, Maritime and Nautical Engineering, Telecommunications and Electronic Systems Engineering
- Applied Sciences: Mathematics, Statistics, Physics, Optics and Photonics



Reputation



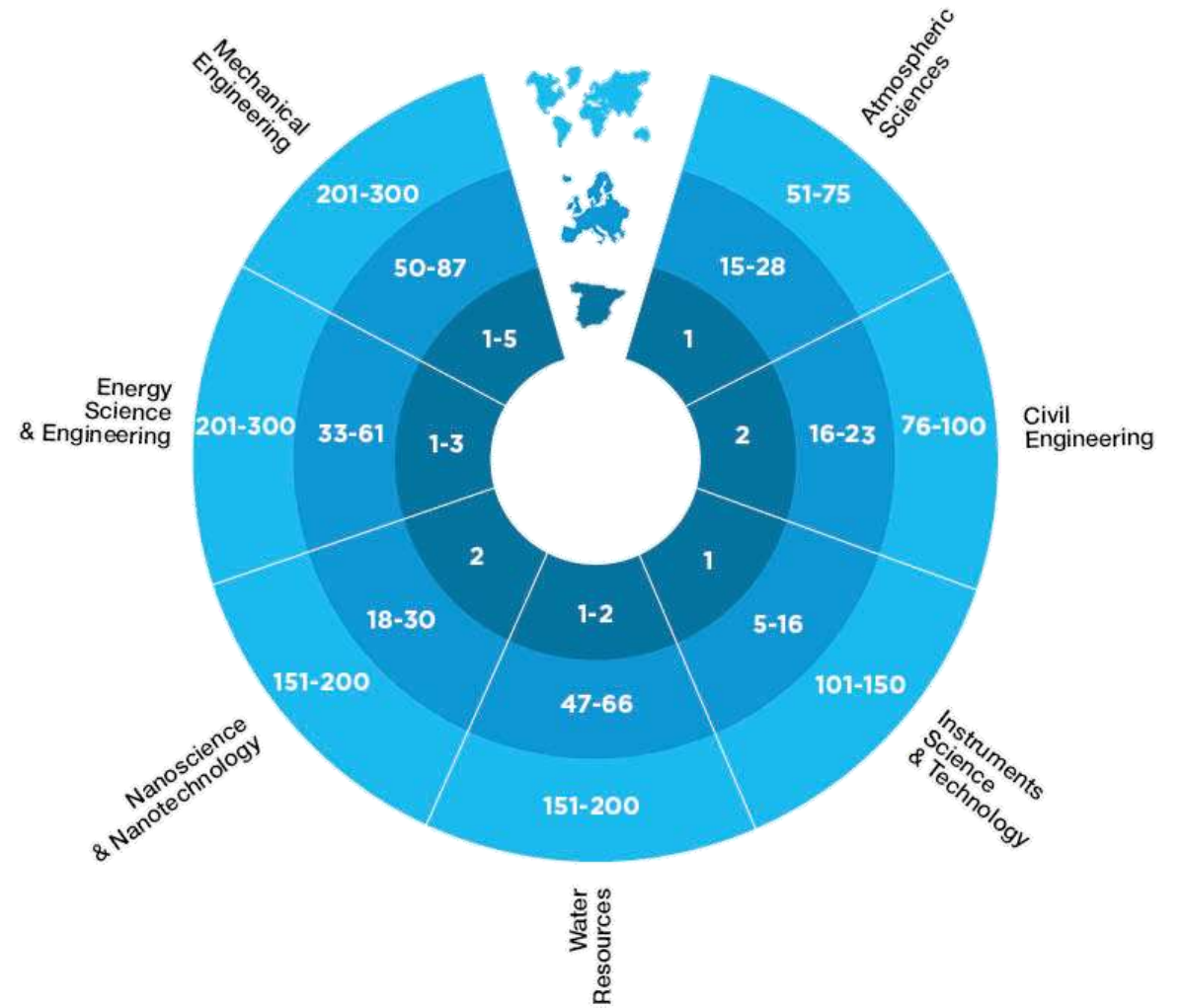
QS World University
Rankings by Subject, 2023

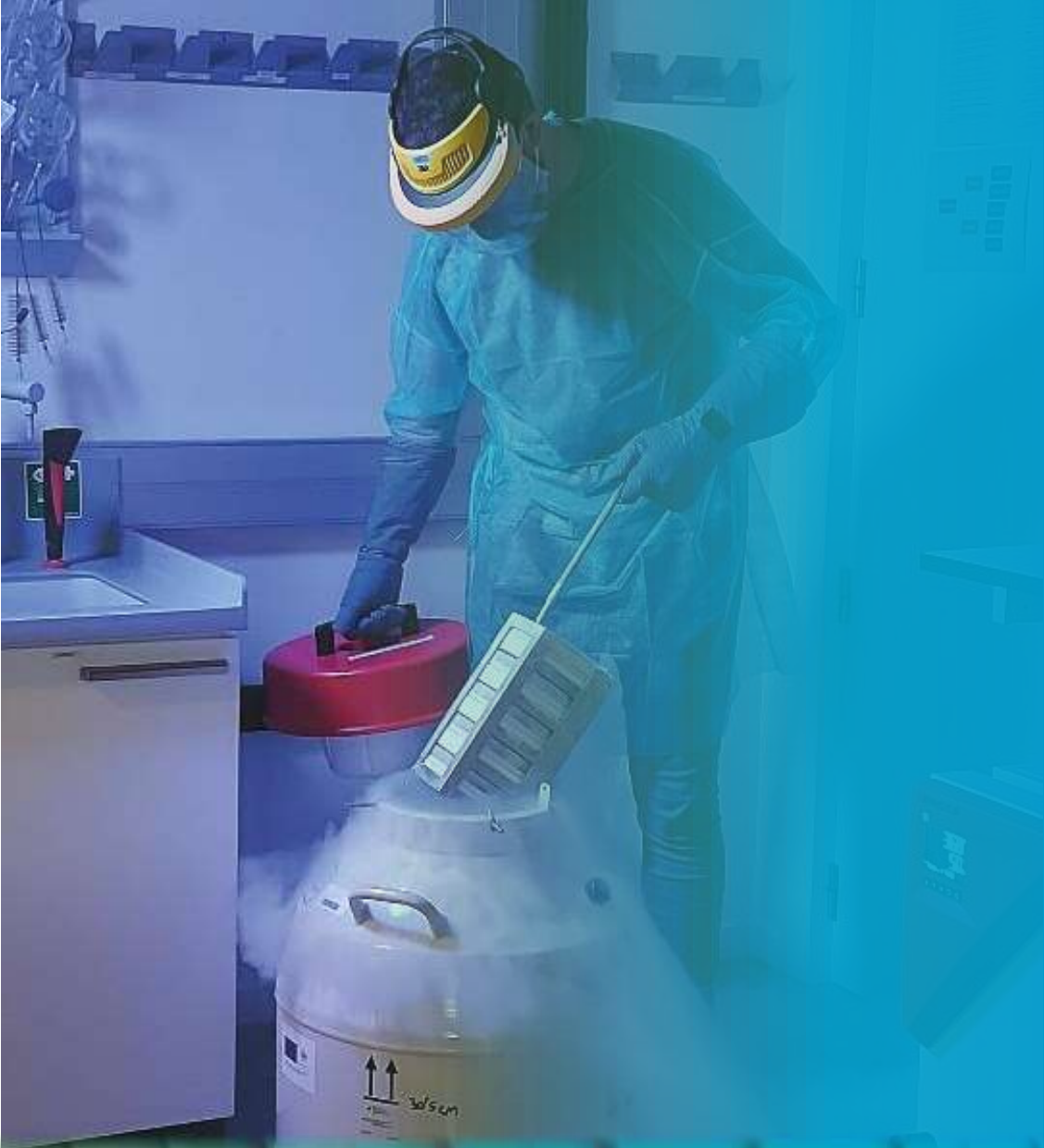


Reputation



Shanghai Global Ranking
of Academic Subjects, 2023





371.9 M€

UPC budget
(2024)

80.9 M€

Projects income
R+D+I (2022)



A university committed to its environment and society





54 development cooperation
projects in 25 countries



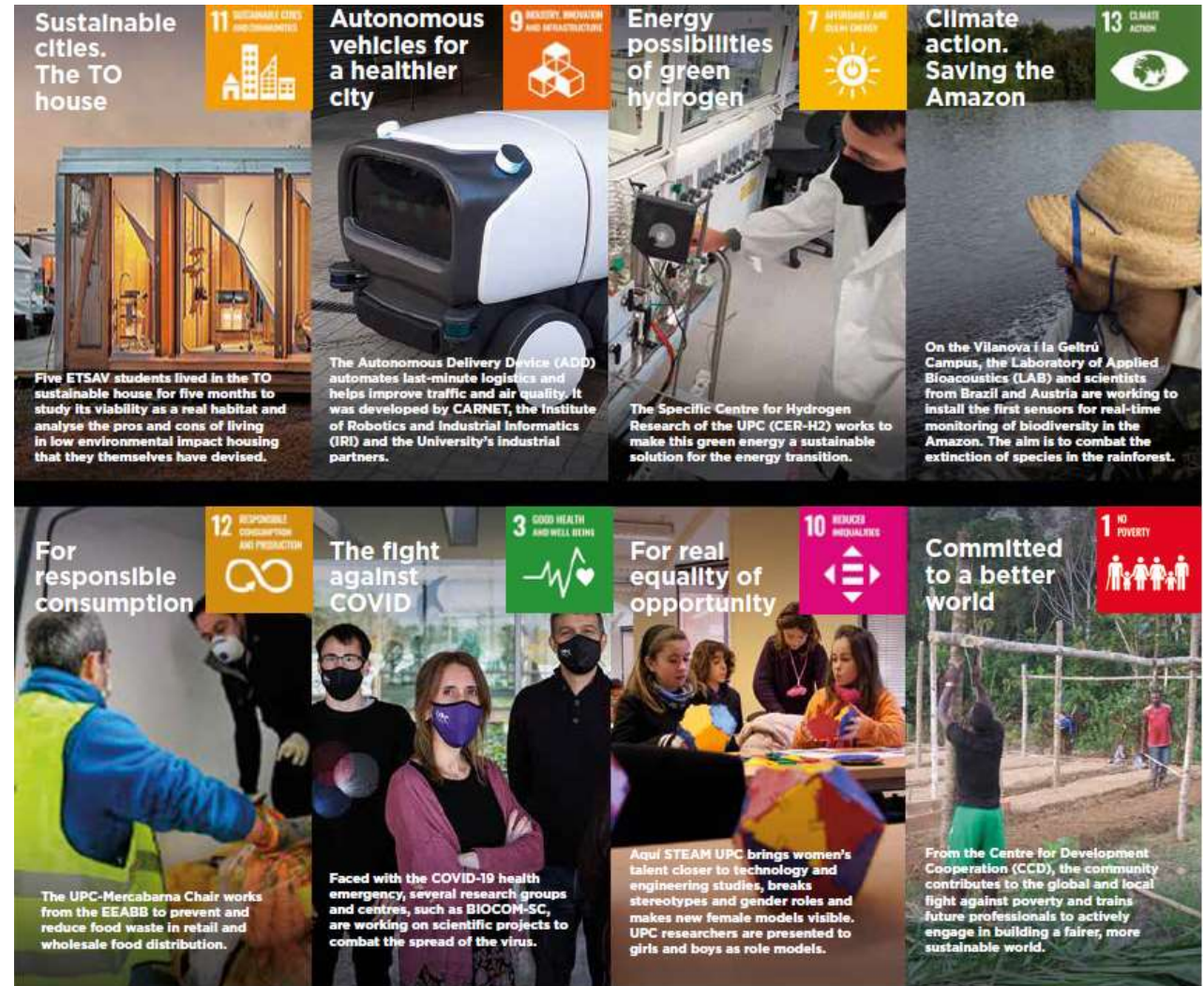
Centre de Cooperació
per al Desenvolupament



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A university aligned with the Sustainable Development Goals (SDG)

UPC, world's 'top 50' in the Climate Action SDG 13, according to the 2023 edition of the Times Higher Education Impact Rankings.





UPC Community



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30 437

undergraduate and
master students

2 104

PhD students

30 %

of women in the new
intake of students





3 629

teaching
and research staff

1 989

Administration and
services staff





Training the professionals of the future



UNIVERSITAT POLITÈCNICA
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67 bachelor's
degrees

91 master's
degrees

45 PhD
programmes





240 Life-long learning programmes



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88%

of graduates work
in less than 6
months



**Internationalisation,
a dimension that
permeates all
activities**



UPC abroad

- Education: mobility, double degrees, strategic alliances
- Research and innovation projects
- Development Cooperation



Working in alliances

The UPC in international networks

CASB
(Consortium for Advanced Studies in Barcelona)

TELESCOPI
(Red de Observatorios de Buenas Prácticas de Dirección y Gestión Universitaria en Latinoamérica y Europa)

RedEmprendia
(Red de universidades iberoamericanas emprendedoras)

AUIP
(Asociación Universitaria Iberoamericana de Postgrado)

CINDA
(Centro Interuniversitario de Desarrollo)

MAGALHAES
(Red de universidades europeas y latinoamericanas)

Cluster
(Consortium Linking Universities of Science and Technology for Education and Research)

EUA
(European University Association)

UNITE!
(University Network for Innovation, Technology and Engineering)

RMEI
(Réseau Méditerranéen des Écoles d'Ingénieurs)

GUNI
(Global University Network for innovation)

TIME
(Top Industrial Managers for Europe)

SINO-SPANISH CAMPUS
A campus at Tongji University (China) composed of the UPC, the Universidad Politécnica de Madrid, the Tecnológico de Monterrey and the Universidad de Sevilla.

HERITAGE Network

UNITECH
(Network of technological universities and European companies)

CESAER
(Conference of European Schools for Advanced Engineering Education and Research)



European Institute of
Innovation & Technology

The EIT is a body of the European Union



**Knowledge and Innovation Community (KIC) supported by the
European Institute of Innovation and Technology (EIT)**



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1 551

Student exchange agreements
with

716

Higher Education Institutions

44

International Double Degree
programmes with 30 universities





2 940

students in international
exchange programmes

27%

of master's students are
international, 81.5% of them
are from outside the EU

55%

of PhD students are
international, 80.7% of them
are from outside the EU



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unite! | University Network for Innovation,
Technology and Engineering

BARCELONA · UPC
29th, 30th November and 1st December
IV Unite! Dialogue
Unite! Past, Present and Future
unite-university.eu



Aerial view of Barcelona cityscape.

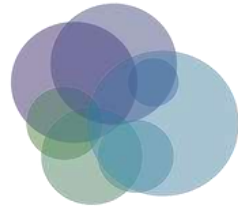


**Unite!,
the creation of the
future European
university**

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unite!

University Network for Innovation,
Technology and Engineering

- A model of European University of innovation, technology and engineering.
- A strategic alliance of universities.
- An inclusive community linked to the territory and its stakeholders.

280,000

students at Unite! universities (2021)

77,300

graduates of Unite! universities per year (2020)

31,000

journal and conference papers per year (Web of Science, 2020)

223

ERC grants at Unite! universities (2007-2021)

2,630

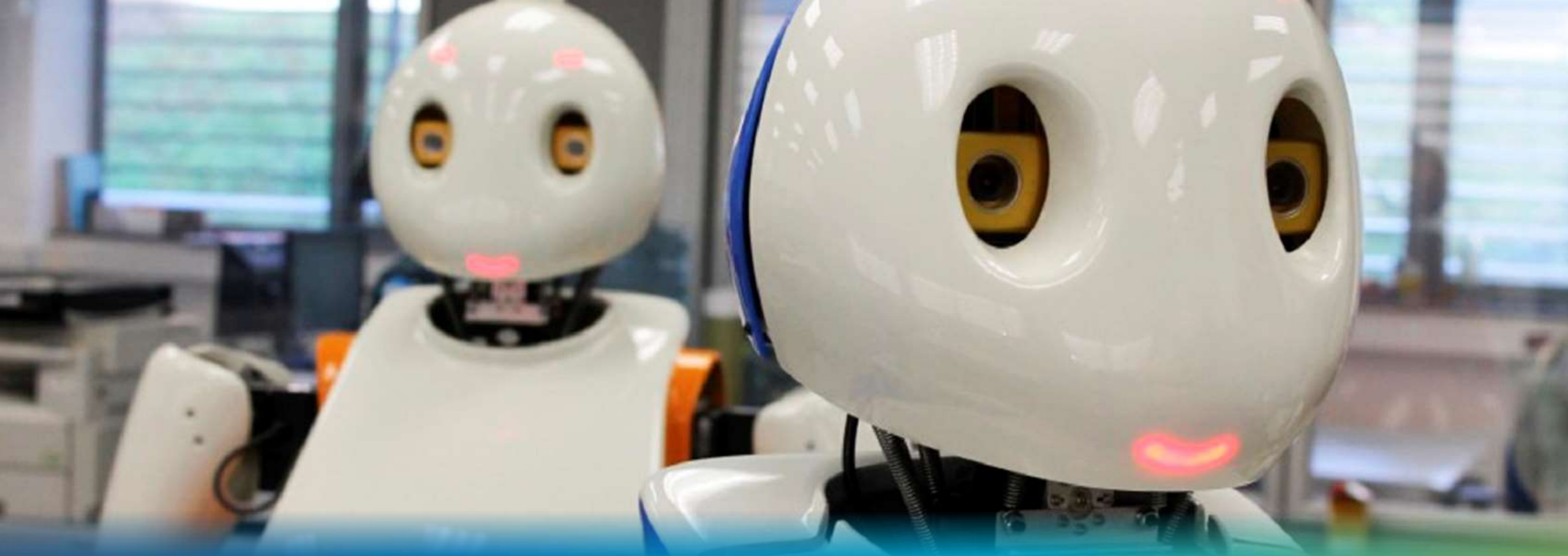
PhD graduates of Unite! universities per year (2020)

799

Startups founded in the last 5 years



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Research to innovate



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1 924

active agreements
and research projects

2 362

papers in scientific journals



A pipette is shown dispensing a red liquid into a petri dish. The scene is set on a grid surface, likely a laboratory bench. There are two white, cylindrical objects, possibly pills or capsules, on the grid. The background is a dark blue gradient.

The UPC, first
State University
in projects
funded through the Horizon
2020 programme



Offering answers to companies

R+D+i
Innovation hubs
Talent (internships in companies)
UPC innovation ecosystem
Industrial Doctorates

THE UPC, A UNICORN INCUBATOR

With nine entrepreneurs and six start-ups valued at over one billion euros or that may be so valued in the next two years, the UPC is one of the top universities at which founders of unicorn companies have trained.

GENERATING 0.3% OF CATALAN GDP

The UPC contributed to generating 0.3% of Catalonia's GDP in 2019. For every 100 euros of public funding it received, the UPC returned 601.5 euros to society. In terms of contribution to the labour market that year, the University directly or indirectly contributed to creating or maintaining 10,371 full-time equivalent jobs.

(Source: Impacte econòmic i retorn social de la UPC. Any 2019)

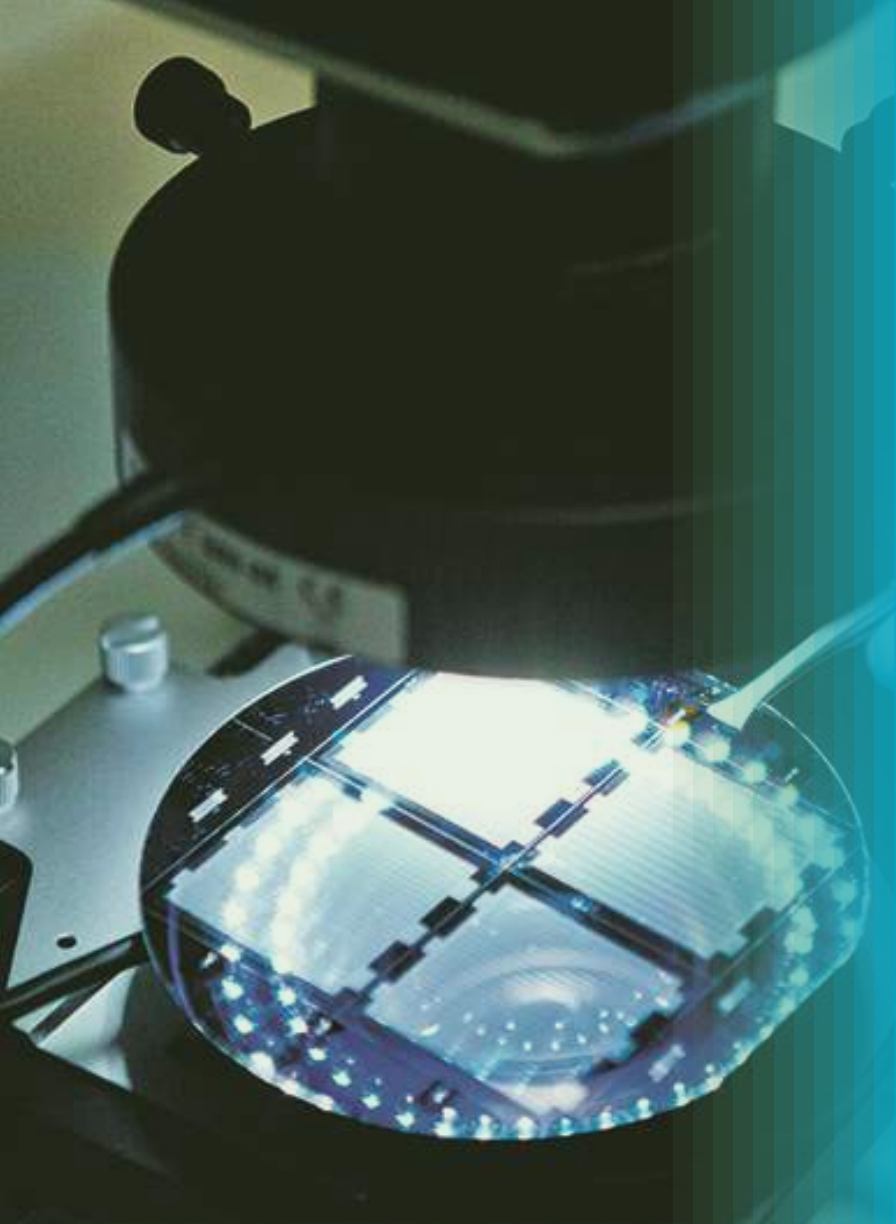


2 834

companies
and entities
with collaboration
agreements



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13

patents registered last year

432

patents and licences in the last 10 years

41

technology-based companies investee





103

industrial doctorate
theses

28.7% of industrial
doctorates in Catalonia
since 2007 have been
developed at the UPC



The background of the slide features a complex, 3D-like pattern of overlapping, wavy, geometric shapes in various shades of blue and teal, creating a sense of depth and movement. The pattern is composed of many small, interconnected facets that resemble a modern architectural facade or a digital mesh.

UPC

Universitat
Politécnica de Catalunya
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**UPC,
the university of
Engineering,
Architecture,
Sciences and
Technology**