

Malaga Innovation Ecosystem



**Málaga
TechPark;**
Parque Tecnológico
de Andalucía



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Malaga at a glance

- 6th largest city in Spain.
- 1,7 million metropolitan population.
- Well connected
- International Community: 253,000 foreign residents and +140 nationalities.
- High quality of life and competitive cost of living.





**Málaga
TechPark;**
Parque Tecnológico
de Andalucía

50
ANIVERSARIO



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Málaga
City Center

High Speed
Train Station

Seaport

Airport



Malaga TechPark

- One of the largest concentrations of tech companies in Spain.
- Opened in 1992.
- Public-private initiative with the participation of the Regional Government of Junta de Andalucía, Málaga City Council, Unicaja Bank and the University of Malaga.
- Malaga TechPark is the World Headquarters of the International Association of Science Parks and Areas of Innovation (IASP).





Malaga TechPark at a glance

30

Years of experience

+900M€

Total investment

+600

Companies

+20%

Of Malaga's GDP

+23,000

Professionals

50,000

Indirect employment growth



**Málaga
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Our Tech Park

+2M

M² devoted to innovation

410,000

M² of floor space

900,000

M² of green areas

+100

Buildings for innovation





A Tech Talent Hub

+50

Large companies

+400

SMEs

+150

Startups

+60

International firms

23,000

Professionals

10,000

Professionals working in Digital Technologies

+30

Nationalities

30-32

Average age

An international business environment



Malaga Cybersecurity Ecosystem



- Multinational companies
- SMEs
- Start-ups
- University
- Public administration





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Institutional ecosystem- ADA Agencia Digital de Andalucía



<https://www.juntadeandalucia.es/organismos/ada.html>

video



A collaborative and inclusive approach to extend the scope of cutting-edge technologies to Malaga Innovation Ecosystem companies, research centers and innovative start-ups.

- **Microelectronics**
Microprocessors.
- **Digital Technologies**
5G+, Cybersecurity, Artificial Intelligence and Connected Vehicle.
- **Applied Digital Technologies**
Applied Digital Technologies, around Industry 4.0, Aerospace Systems and Digital Health.

The mission

Focus on innovation and market-oriented industrial transfer, our approach to European Innovation Strategies and the large European PERTES or IPCEIs.

VISION

- To become a **pole of technological innovation** with direct application to the market.
- To generate a sustained **tractor effect** in innovation ecosystem
- To undertake, in depth, the **green and digital transformation.**
- To contribute to the creation of **high value-added jobs** and maximize the **impact of R&D&I capabilities** developed by the center

INNOVA IRV

ARTIFICIAL INTELLIGENCE



AGRO-TECH



DIGITAL HEALTH



5G +



AEROSPACE SYSTEMS



INDUSTRY 4.0



CIRCULAR ECONOMY



innovairv

INSTITUTO RICARDO VALLE DE INNOVACIÓN

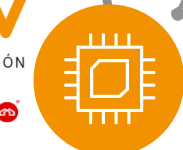


mayoral

MYRAMAR



Consejería de Transformación Económica, Industria, Conocimiento y Universidades



CYBERSECURITY



MICROELECTRONICS



CONNECTED VEHICLE





University of Malaga: Global info

18

Faculties/Schools

+45,000

University community

+36,000

Current students

72

Degrees

72

University Departments

3

Engineering Schools

73

Master's degrees

20

Research Institutes

22

Engineering degrees

1

Doctoral School

335

Research groups

+6,900

Engineering students

22

Doctoral Programs

35

Chairs

+600

Engineering Graduates



Malaga University

The University of Malaga is among 14 top universities with the highest scientific and technical production in Spain.

Areas of expertise:

- Software Development
- Embedded and real time systems
- Bioinformatics, data bases, Big data
- Cybersecurity
- Cloud computing
- IoT
- Domotics and Energy Efficiency
- Telecommunication Research
- Mobile networks and 5G
- Mechatronics and Cyber-Physical Systems



Training of Excellence

Malaga TechPark and Malaga University collaborate in the **creation** of training courses **co-designed** to anticipate and answer the talent demand by companies

Master's Degree in
Computer Engineering

Master's Degree in Big Data
& Analytics

Master's Degree in
Software Engineering & AI

Master's Degree in
Telematics and 5G
Telecommunication
Networks

University of Malaga: Cybersecurity Education

5
BSc Degrees

5
Courses

5
Master's degrees

10
Courses

New Degree in Cybersecurity and Artificial Intelligence

6
Specialisation Courses

- Specialization on Reverse Engineering and Malware Intelligence
- Digital Law
- Specialization on Blockchain Technologies
- Master's Degree in Advanced Analytics on Big Data (Module: Cybersecurity)
- Samsung Tech Institute 'Introduction to Cybersecurity in Computer Systems'.
- In-a-Nutshell Training: Cybersecurity

Digital Eye Observatory:

A joint Initiative of Malaga TechPark and Malaga University

Integration and concentration of efforts in Digital Transformation to help and advise companies and institutions through four main services:

1.

To be a core
GENERATOR OF
VALUE-INFORMATION
to foster technological
development

2.

To be a MEETING
POINT to identify future
trends, emerging
technologies and their
impact on the business
network

3.

To be a core of
TRAINING for the
continuous adaptation
to the digital transition
in companies and
institutions

4.

To be a FACILITATOR
OF IDEAS AND
PROJECTS for
innovative
technological
development

Analysis of specialised talent needs in companies for the design of specific and dynamic ad-hoc training programmes, of short duration, and with immediate employment integration.

Cybersecurity in-a-nutshell

- Why? Analysis of most demanded profiles by Malaga TechPark Companies
- Co-creation model
- Short-term training : 100h
- Virtual on-line , Malaga University Virtual Campus
- University Diploma
- Number of students: 20-25
- Students profile: University students; Vocational training ; Experienced professionals
- Financing: Grants provided by Malaga TechPark companies
- Campaign to attract candidates

245 applications !



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Cybersecurity- Innova IRV

To boost the existing **cybersecurity ecosystem** in **Malaga TechPark**.

Malaga TechPark companies, start-ups and research centers will launch platforms to help protect digital environments.

- To develop a regional Cloud-based Cybersecurity Platform.
- To generate use cases around Next-generation services.
- To develop a cyber-range platform within a simulated and controlled environment.



