

**tecna**o

MEMBER OF BASQUE RESEARCH  
& TECHNOLOGY ALLIANCE

**Anticipating is  
an attitude.**

[tecnao.com](http://tecnao.com)

**Anticipating is  
an attitude.**

Anticipating is the attitude that allows us to **identify and define new challenges**, apply **solutions** to complex problems, and turn **innovation** into a **competitive advantage** for companies.

**anticipate**



**We are good  
at solving complex  
problems that  
require unique  
solutions.**

We like problems. Any problem is an opportunity to do research, help **companies** and institutions compete and contribute towards the improvement of **society**.

Our customers call us when they come across a new problem, whatever it may be, and we use **applied research** to provide specific solutions to solve it.

**PROBLEMS  
WANTED**

# About us

TECNALIA is the **largest applied research and technological development centre in Spain**, a European benchmark and member of the Basque Research and Technology Alliance.





### Headquarters

📍 Basque Country

### Branches

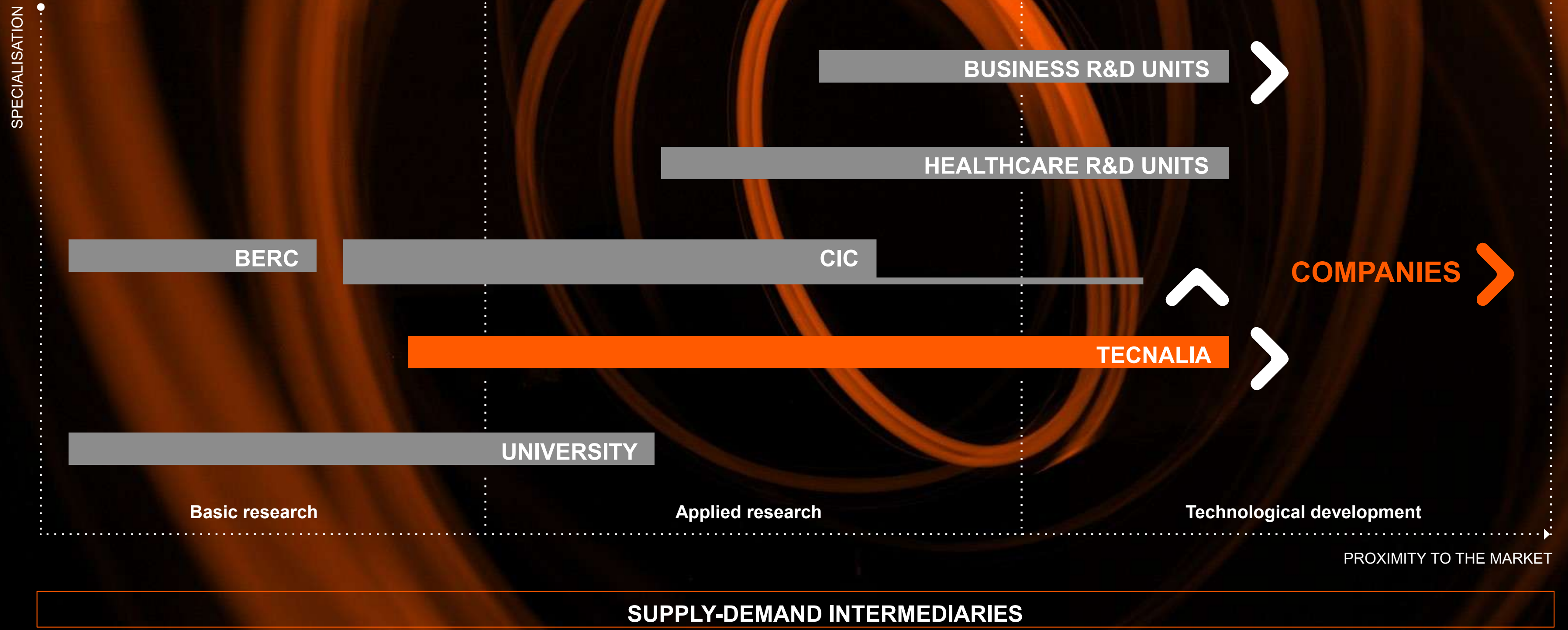
- Madrid
- Zaragoza

### Branches Abroad

- China
- Colombia
- France
- Italy
- Serbia



# Value Chain



Mission

**Transform technological research into prosperity.**

Vision

**To anticipate the future as the leading agent of transformation in companies and society, adapting them to the challenges of an ever faster evolving world.**

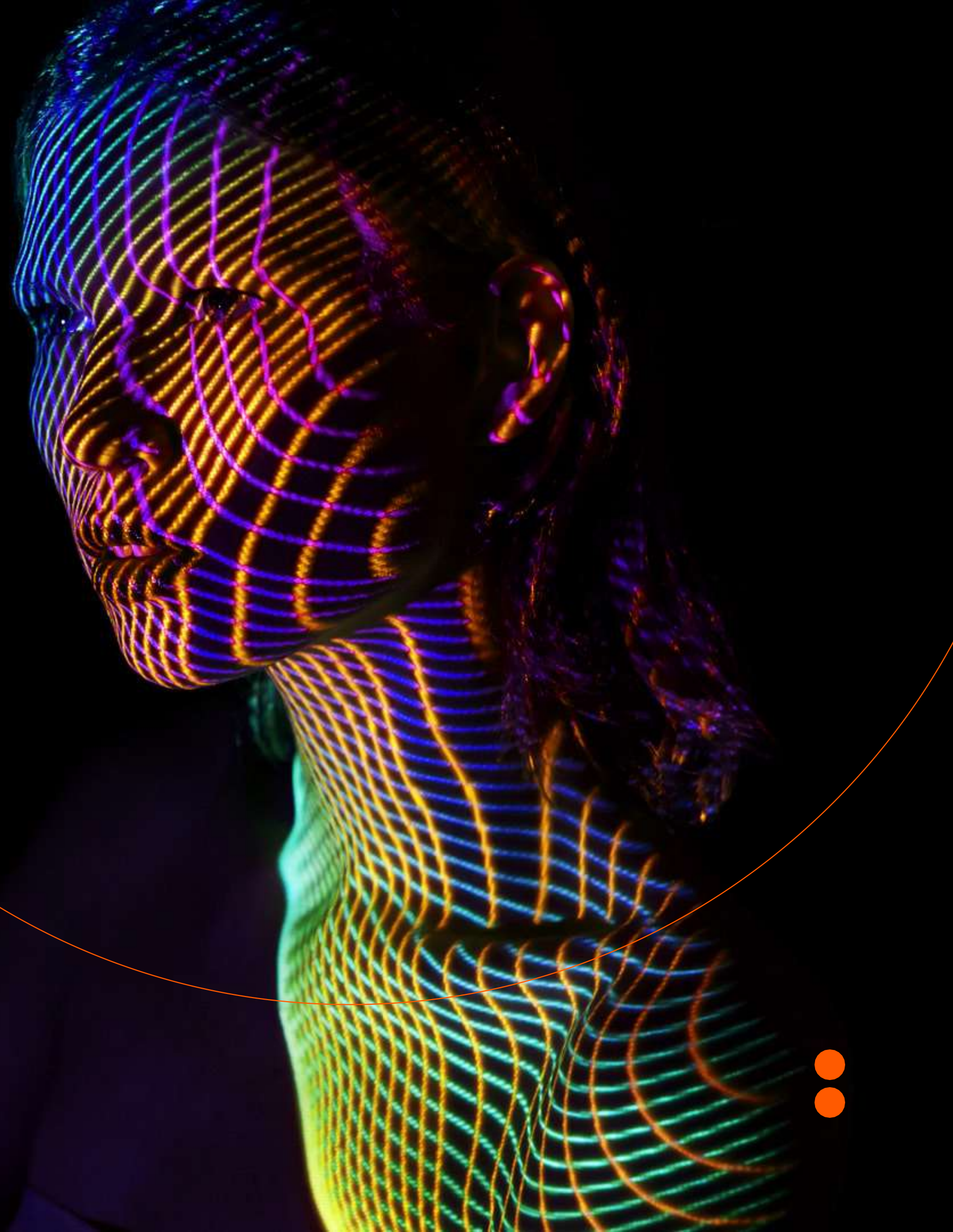
Our purpose

**To build a better world through technological research and innovation.**

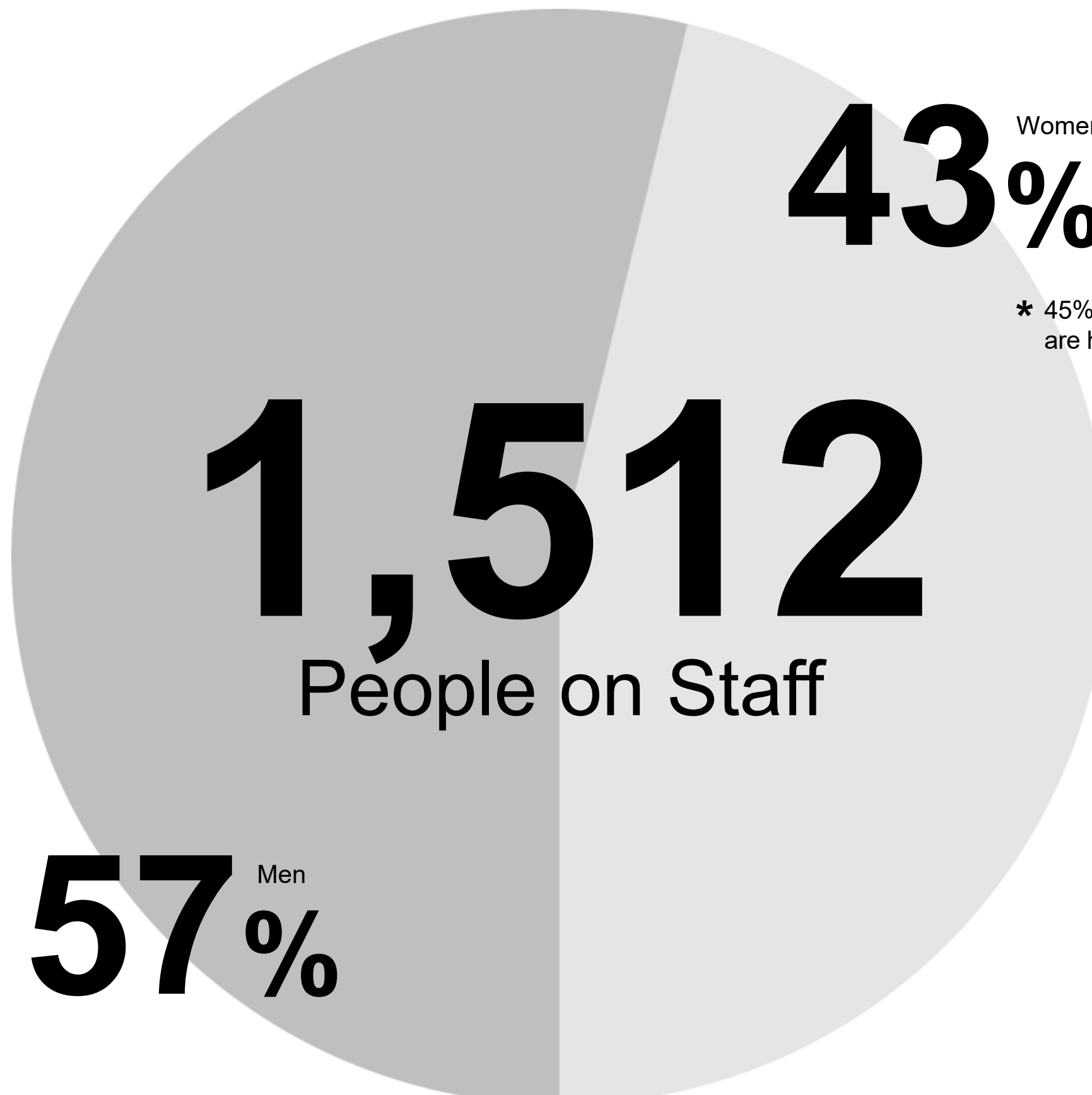


**People are behind technology.** Generating impact through applied research is only possible if you attract, retain and train the best talent.

**We believe in the value of people**

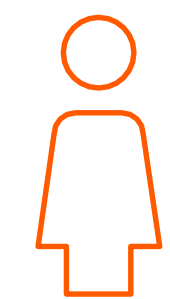


# People in TECNALIA



**1,512**  
People on Staff

**43%** Women\*



\* 45% of managerial positions are held by women.



**57%** Men



**29** Different nationalities

# We work with companies and institutions to increase their competitiveness, quality of life of people and achieve sustainable growth.

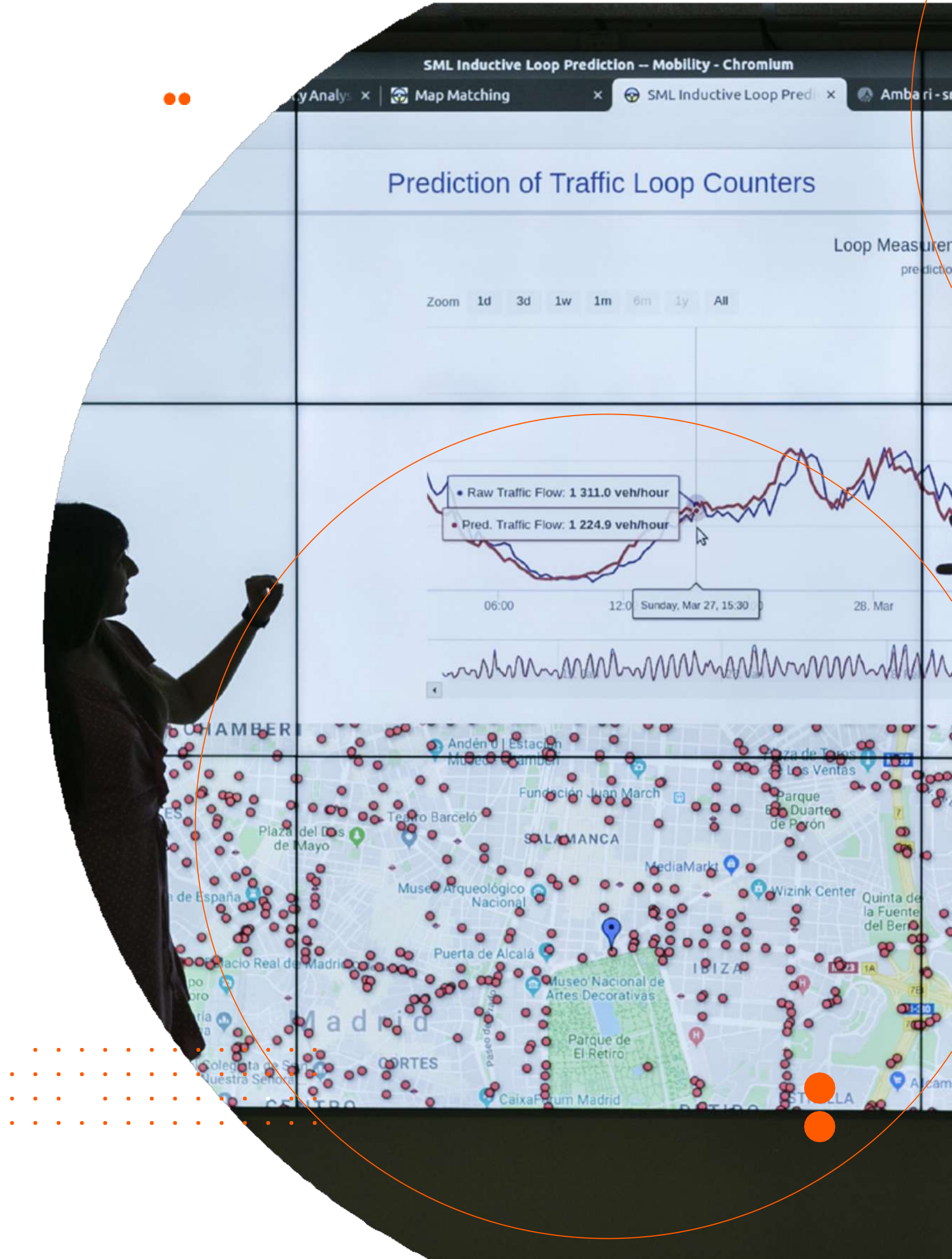
We transform technological research into prosperity, acting as agents of change in companies and society, adapting them to the challenges of a constantly evolving future.



**We are committed to results, always thinking about our clients and facilitating their activity with a close and useful service.**

At TECNALIA, we are brave and proactive and **we are bold enough to create something new every day.**

We collaborate actively. We offer ourselves, support each other and share our ideas to be better, more agile and to create more value.



# We seek to build a better world through technological research and innovation.

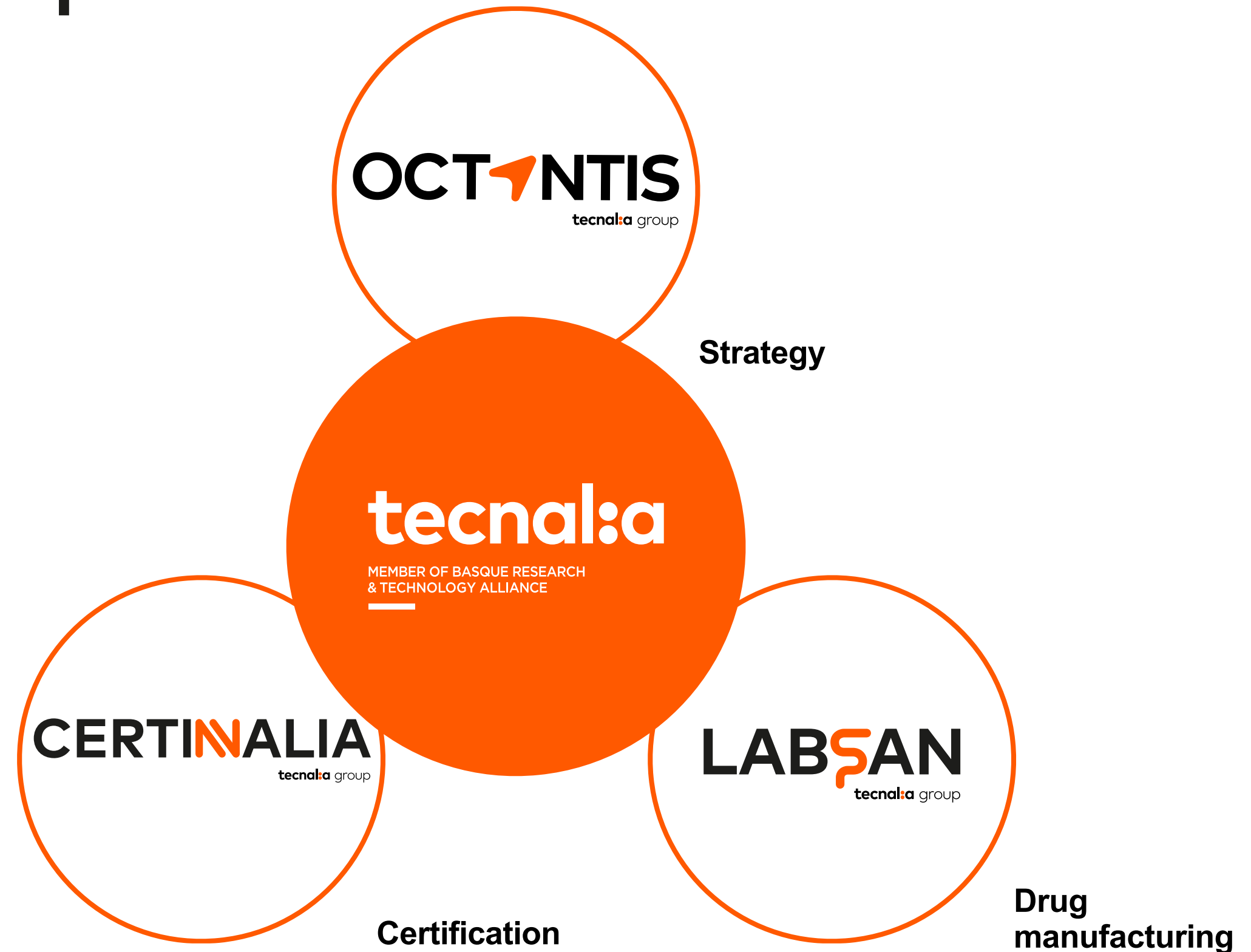
At TECNALIA, we are actively engaged in the generation of wealth for companies and jobs for society.

We also create new developments for unresolved situations. And we do so by combining technologies from different fields to respond to the major global challenges.



# tecnal:a group

TECNALIA Group is **the ecosystem of companies** created around TECNALIA Research & Innovation to incorporate **new forms of value generation** that cover the entire **innovation** cycle, multiply the double **economic and social impact** and better deploy our **mission, vision and purpose**.



## Technological innovation strategy to develop business opportunities and growth.

Its differential value is:

- **Technological capacity:** Entrepreneurial culture with TECNALIA's multi-technological talent.
- **Open Innovation:** Collaborative mentality adding start-ups and the entire entrepreneurial ecosystem.
- **Deep-tech focus:** Focused on advanced technologies that provide competitive advantages.



# CERTINALIA

tecnal: a group

## Certifying technological innovation.

CERTINALIA works in the field of technological innovation, developing certification schemes aligned with the new European legislation on **sustainability, energy, cybersecurity, artificial intelligence**, etc. It is a notified body for 4 European directives and regulations and is accredited by **ENAC** as a product certification body.

tecnalia.com



## Third Party Drug and Medical Device Manufacturing Plant (CDMO).

LABSAN has more than **20 years of experience** manufacturing scale-up, regulatory and commercial batches for customers in Europe and with European **GMPs** (Good Manufacturing Practices) **accreditation** and is authorized by the Spanish Agency of Medicines and Medical Devices (**AEMPS**) for the manufacturing of Clinical Trial Medication.



# How we work

Results that generate economic impact

**We offer technological solutions  
that generate high impact  
opportunities and we are committed  
to our clients' results.**



At TECNALIA,  
we transform  
knowledge  
into profit  
for **companies**  
and value  
for **society**.

## Business impact



## Social impact



### Clients

FOR EVERY EURO invested  
by a company in R&D with TECNALIA,  
an income of **€17,08** is added to their  
Income Statement.

### Employment

TOTAL employment kept: **12,923**  
Jobs held in Basque Country FOR  
EVERY JOB AT TECNALIA: **8.73**

### GDP

TOTAL contribution: **€890 M**  
**€34.05** generated FOR EVERY € INVESTED  
by Basque public institutions in TECNALIA

### Tax Return

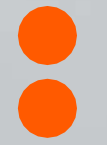
TOTAL contribution: **€108 M**  
**€4.12** obtained FOR EVERY € INVESTED  
by Basque public institutions in TECNALIA



INDUSTRIA

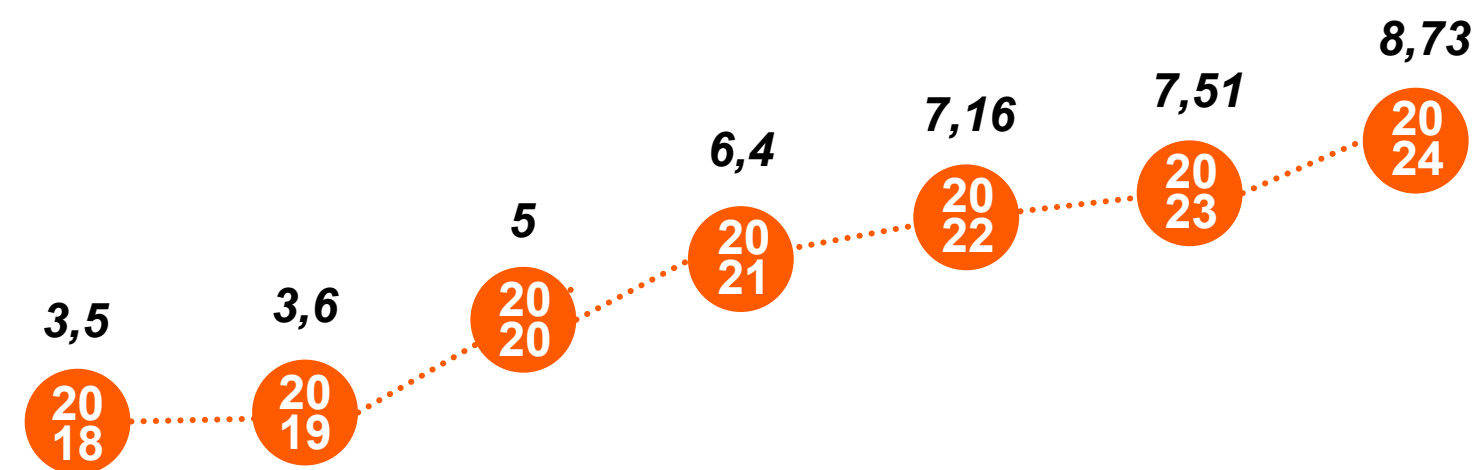
We want to be useful for society

**TECNALIA's** research has a real impact on society and provides specific solutions to the major global challenges.

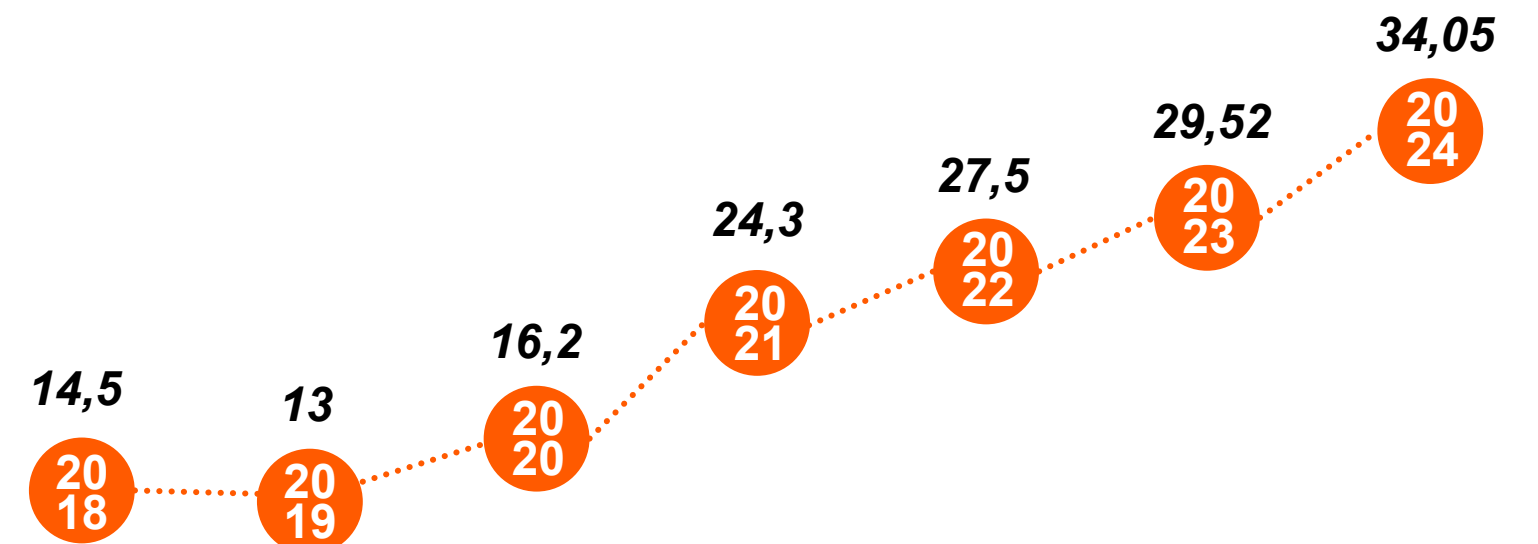


# Evolution of socio-economic impact indicators

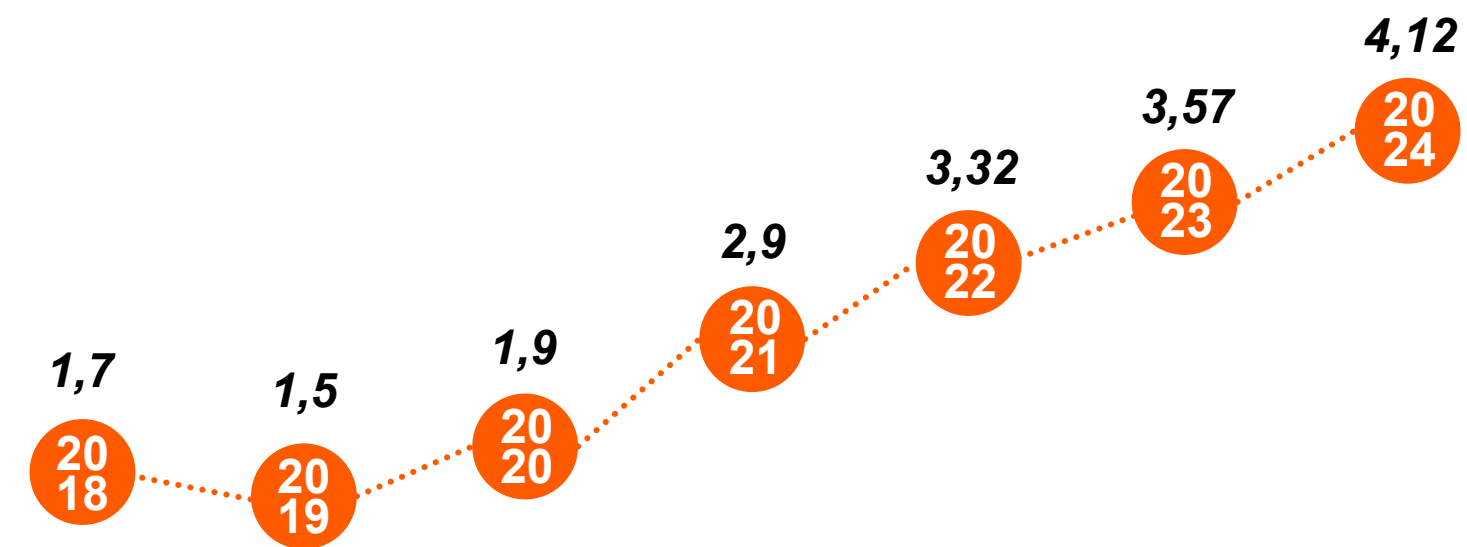
JOB S MAINTAINED IN BASQUE COUNTRY FOR EACH JOB POSITION IN TECNALIA



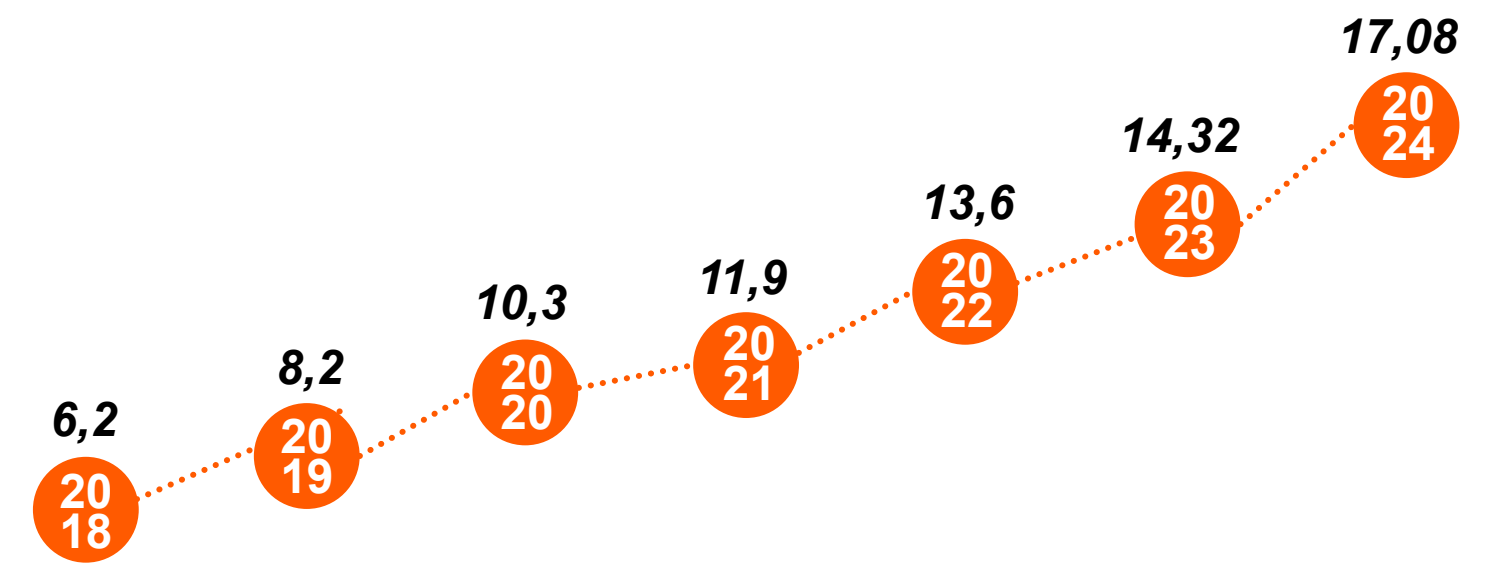
EUROS GENERATED FOR EVERY EURO THAT BASQUE PUBLIC INSTITUTIONS INVEST IN TECNALIA



EUROS OBTAINED IN TAX RETURN FOR EACH EURO INVESTED BY BASQUE PUBLIC INSTITUTIONS



EUROS THAT INCREASE OUR CUSTOMERS' BILLINGS FOR EACH EURO THEY INVEST IN TECNALIA





Multi-technological Excellence

**We have a multi-disciplinary team  
to anticipate the needs of today  
and of the future through  
technological hybridisation.**

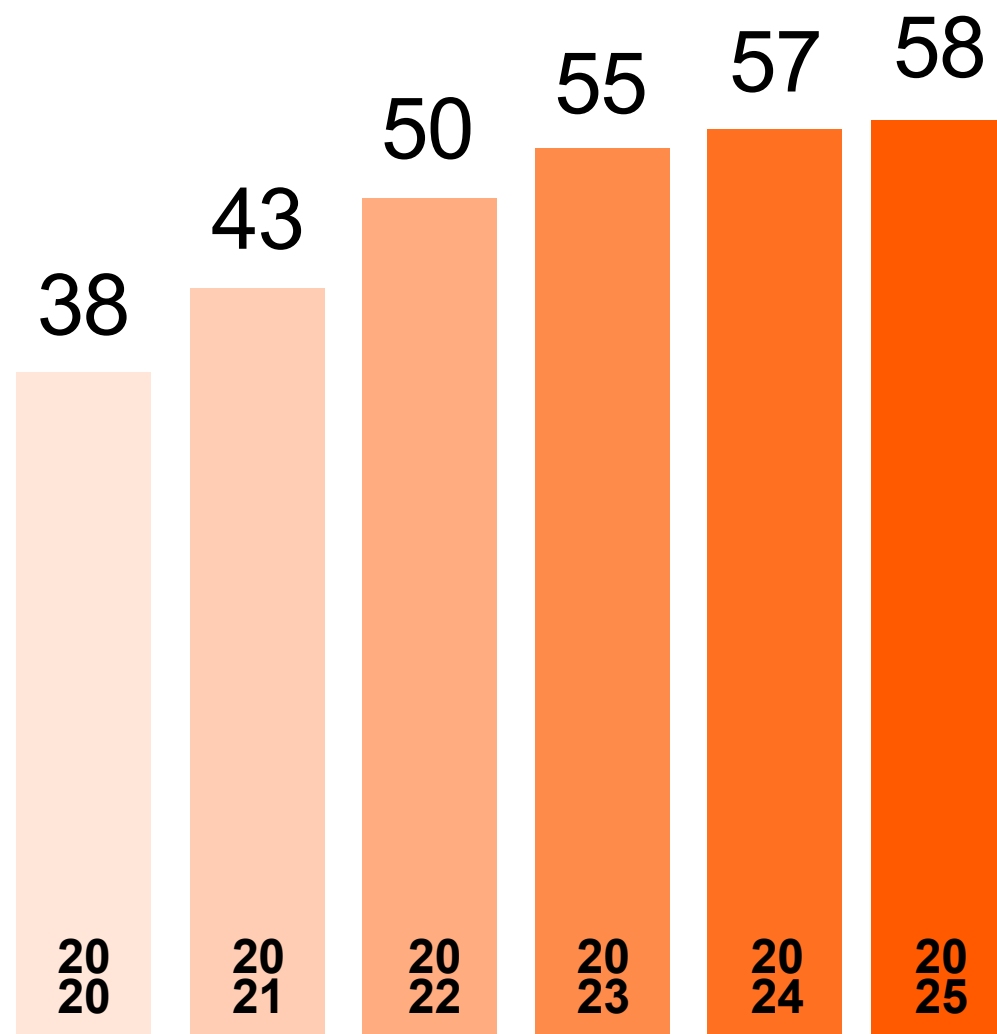
**tecnal:a**

MEMBER OF BASQUE RESEARCH  
& TECHNOLOGY ALLIANCE

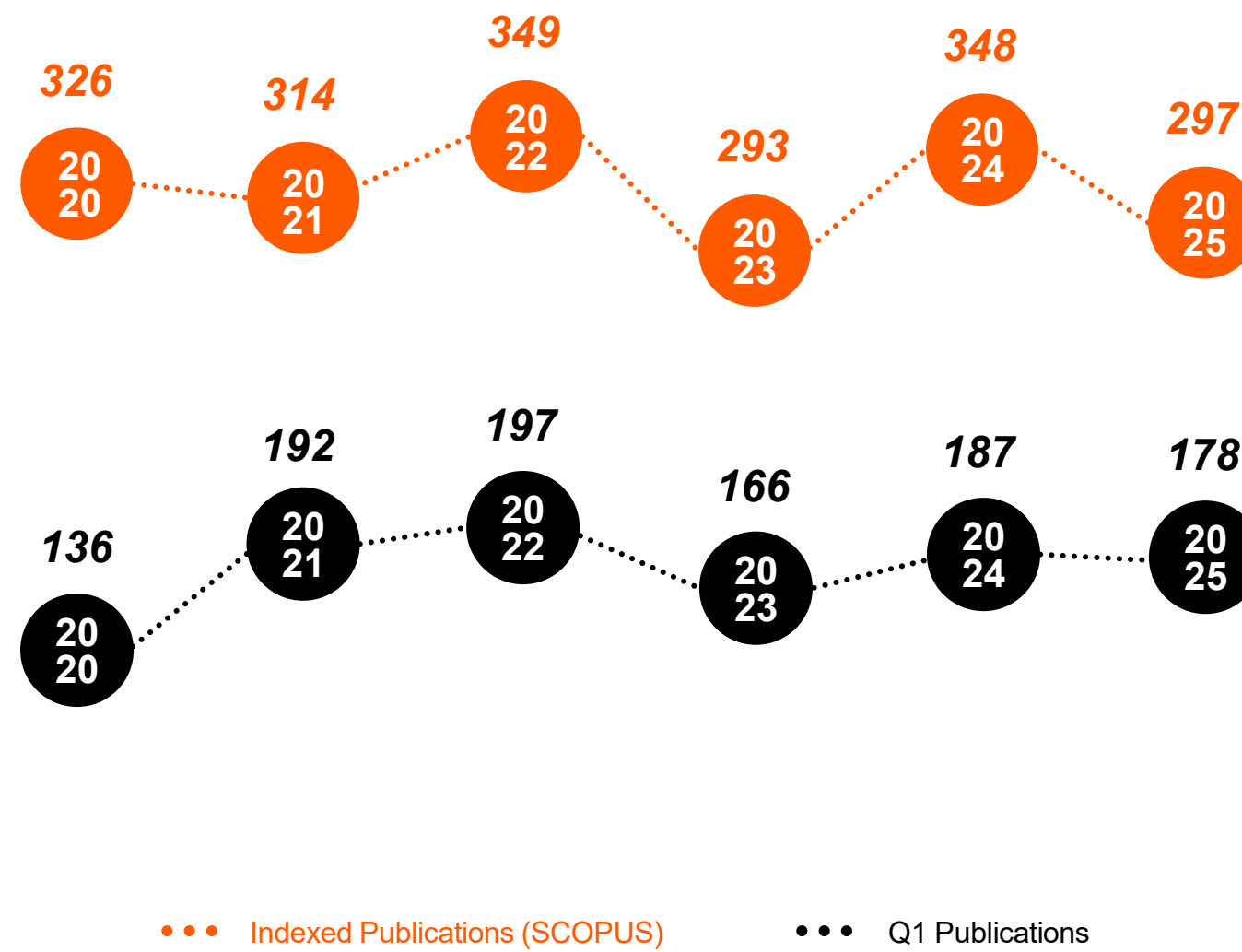


# Technological Specialisation

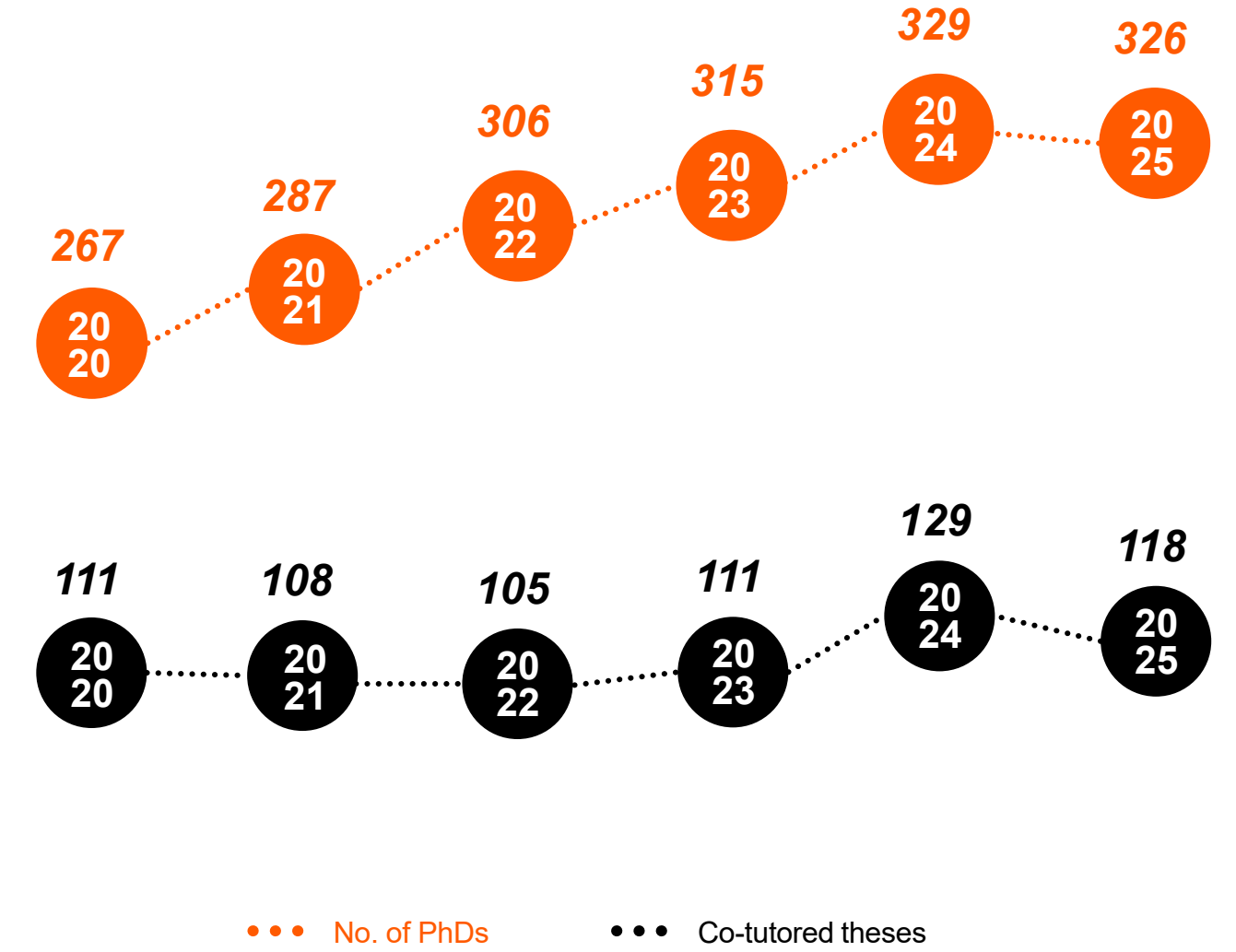
TECNALIA H-index Evolution



TECNALIA Publications Evolution



TECNALIA PhDs & Doctoral Students Evolution



# Strategic Focuses of Excellence

**Strategic areas** due to their value and market potential, in which we seek to find **new solutions to the strategic needs** of companies and society and to **anticipate** the strategic needs of the **future**.

FLEXIBLE  
AUTOMATION

CAPTURE  
AND MATERIAL  
AND ENERGY  
RECOVERY  
OF CO<sub>2</sub>



CYBERSECURITY

DIGITALISATION  
AND  
HYBRIDISATION OF  
ELECTRICITY GRIDS

FIRE  
SAFETY

GENERATION,  
DISTRIBUTION AND  
STORAGE AND  
USES OF H<sub>2</sub>

AUGMENTED  
HMI



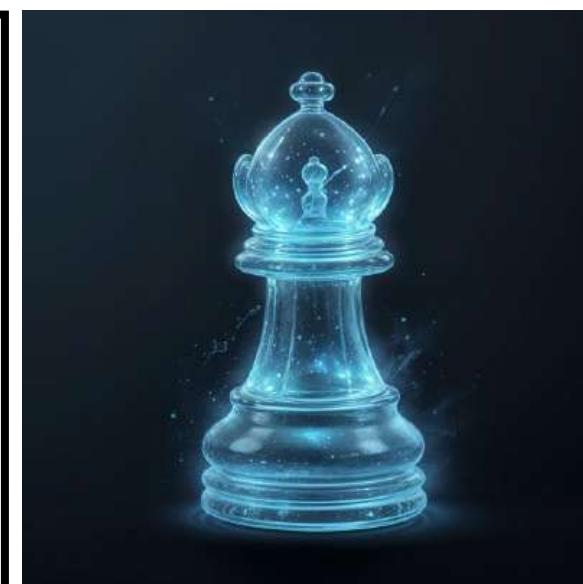
LOW ALTITUDE  
ECONOMY

MANUFACTURING  
PROCESSES AND  
MATERIALS FOR  
UNIQUE  
INFRASTRUCTURE

SMART MEDICAL  
DEVICES

SMART  
MONITORING

SMARTISATION  
OF CONSTRUCTION



TECHNOLOGIES  
IN THE  
DEVELOPMENT AND  
MANUFACTURE  
OF MEDICINES

# Technological strategy organised in technologies

TECNALIA organises its **Technological Strategy** around those technologies identified in the Technology Plan. In order to maximise the impact of these technologies, TECNALIA structures them into **transversal technologies** (which may have an impact on more than one market) and **vertical technologies** (with an impact on a single market).

All of them are characterised by their technological relevance, scientific- technological capabilities, market demand and research critical mass to achieve the greatest impact on the market.

# Transversal technologies

- Robotics, Automation and Mechatronics control
- Cybersecurity
- Computer vision and visual interaction
- Surface engineering
- Artificial intelligence and Big Data
- Metals
- Nanotechnology
- Polymers, composites and bio-based materials
- Embedded electronic systems, power and control electronics
- Software technologies
- Quantum technologies

# Specialised technologies

- Adaptation to climate change
- Molecular biology
- Biosynthesis and fermentation
- Structural calculation and fluid-structure interaction
- Air quality and acoustics
- Life cycle and eco-design
- In-service performance
- Reliability
- Galenic development
- Dynamics of offshore systems
- Urban design
- Design and simulation
- Biological assessment
- Extraction and encapsulation
- Physics of the building
- Hydrogen
- Fire engineering
- Cementitious materials
- Meteorology and climate
- Energy models
- Semantic models
- Neural interfaces
- Power systems
- Manufacturing processes
- Sustainable chemistry
- Membrane technology and process intensification
- Waste valorisation technologies
- Photovoltaic technologies
- Thermodynamics



Our essence

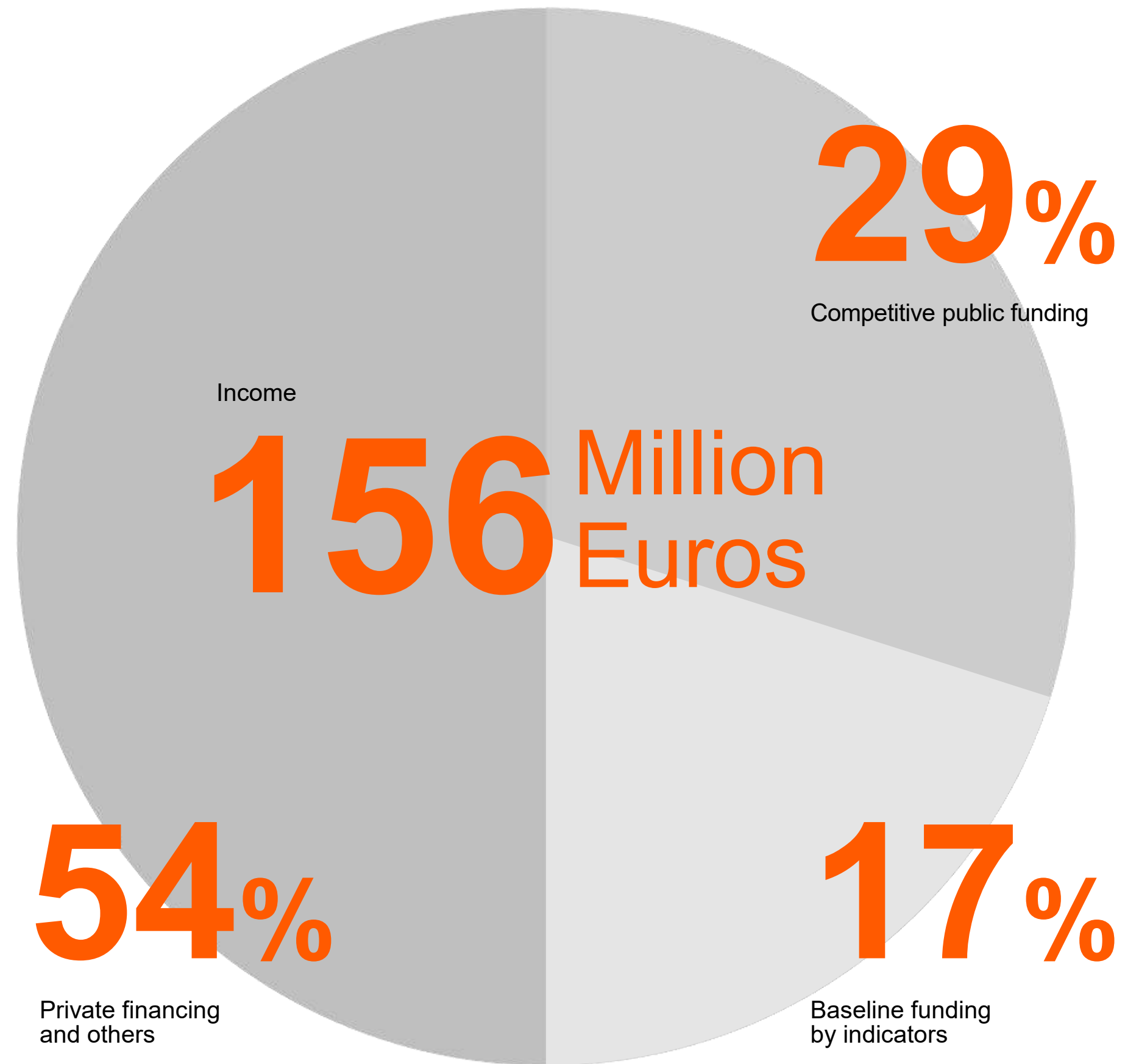
**At TECNALIA, we transform  
knowledge into profit for  
companies and value for society.**

Through R&D and Innovation, we create solutions that generate economic impact on companies, prosperity for the country and value for society, in terms of quality of life and progress.

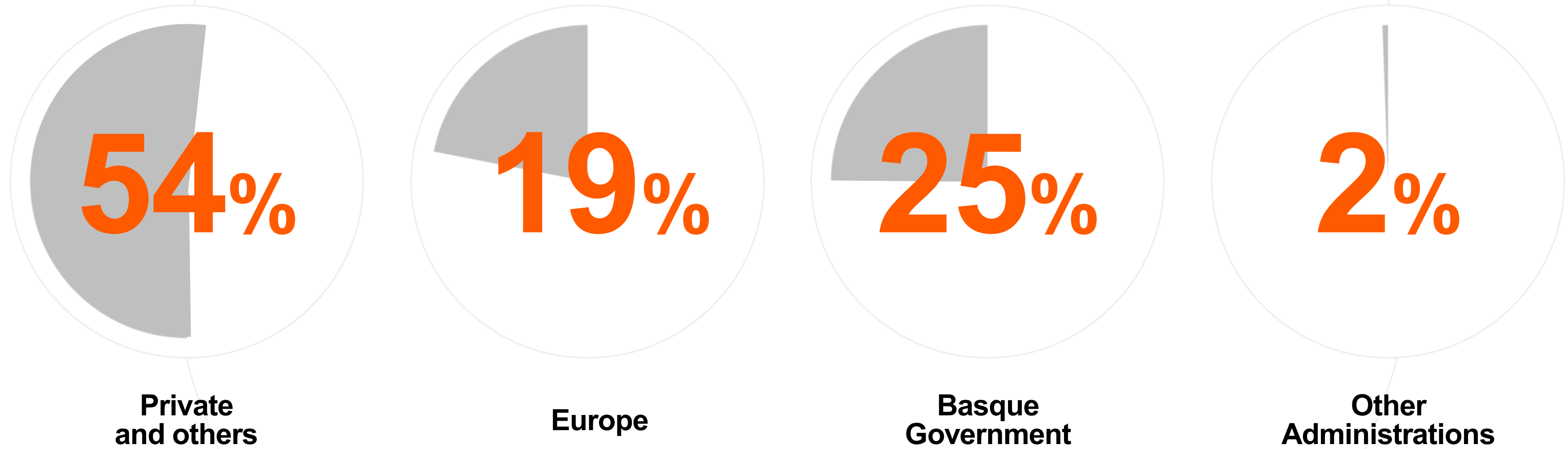
To do so, we have adopted our claim,  
which sums up this essence:

**Creating Growth : Improving Society**

# Balance of activities and their funding



# Sources of Funding



Proximity to the market

Our objective is to be the **technological partner of all companies**, regardless of their size and R&D and innovation needs.



# Scopes of Action



# Our scopes of action are aligned with the sustainable development goals (SDG)

With a multi-sectoral and multi-technological perspective, we listen and work with companies to respond to the major global challenges.

In this way, we are able to generate profit for companies and create value for society.



# Smart Manufacturing :



In a changing global scenario, we pursue an aim shared with manufacturing companies from all sectors, making a positive impact on their productivity while increasing the competitiveness of their businesses.

To do so, **we are committed to smart, flexible and sustainable manufacturing through digitalisation, automation and eco- efficiency** as drivers of the change that transforms materials and manufacturing processes.

## What can we do for you?

- Advanced machines, automation and robotics
- Digital manufacturing
- Decarbonisation of industry and the circular economy
- Adaptive manufacturing at the service of the person
- New materials and manufacturing processes

Further information



# Digital Transformation:



We love designing and deploying the digital processes, products and services of the future in an ever more interconnected and interactive world. Thus, our digital strategy focuses on three drivers: intelligence, security and new value generation models. Thanks to them, we develop a unique proposal in data economy for product manufacturers and integrators based on cybersecurity, blockchain and artificial intelligence.

## What can we do for you?

- Quantum technologies
- Artificial Intelligence
- Robotics and cognitive systems
- Advanced systems for interaction and worker 4.0
- High-performance computing for Big Data
- System lifecycle and DevOps
- Cybersecurity and confidence
- Internet of Things (IoT)
- Sensors and actuators
- Computer vision
- Smart maintenance

Further information



# Energy Transition:

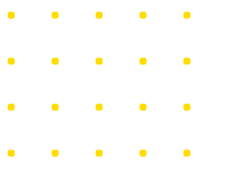
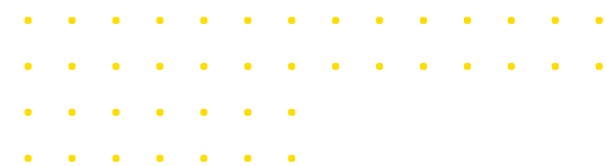


We contribute to in-depth energy decarbonisation by developing technological solutions that make renewable energies more competitive, foster smart electrification of energy systems and unleash the potential of hydrogen as a high-value energy vector to be climate neutral by 2050.

## What can we do for you?

- Renewable energy
- Smart grids and storage
- Positive energy buildings and districts
- Industry decarbonisation
- Decarbonised mobility
- Digitalisation of energy
- Energy transition materials
- Climate-energy strategy and environmental sustainability

Further information



# Sustainable Mobility:



We design and develop technologies and new business models that contribute to the shift towards a future scenario **in which mobility has a low environmental impact and is connected, efficient, safe and inclusive.** This includes improving transport vehicles, communication systems and energy infrastructures, as well as their interaction and integration into urban and interurban ecosystems.

## What can we do for you?

- Hybrid and electric vehicles
- Automated and teleoperated driving
- Alternative energies for sustainable mobility
- Intelligent transport infrastructures
- Intelligent mobility management
- New mobility concepts:
  - New aerial architectures
  - Autonomous aircrafts
  - Aerial robots
  - Special vehicles

Further information



# Health and Food:

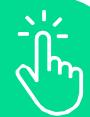


**We generate innovative solutions** to society's health challenges in the stages of prevention, diagnosis, prognosis, intervention, treatment and rehabilitation **based on the sector's regulations.**

## What can we do for you?

- Smart medical devices
- Neurotechnology and Bioelectronics
- Medical robotics
- Diagnostic devices
- Digital health
- Advanced pharmaceutical technologies
- Cosmetics
- Healthy and sustainable food
- Personalized nutrition
- Monitoring and automation of agri-food processes
- “Augmented” worker

Further information



# Urban Ecosystem:



We contribute to the positive transformation and development of cities and regions by implementing a set of people-oriented technology innovation solutions to develop smart, low-carbon urban environments.

## What can we do for you?

- Smart eco-materials
- Smart buildings
- Energy in buildings and cities
- Resilience and climate change
- Urban and territorial transformation
- Healthy city
- Urban mobility
- Smart infrastructures

Further information



# Circular Economy:



We work towards a circular economy as the **driving force for change and an ecological transition vector**, to help companies and society as they make the much-needed change towards a **sustainable circular economy development model**. Our strategy is based on three drivers: **minimising** raw material consumption and waste generation; **extending the useful life** of products and assets as much as possible; and **generating value from waste**. Our value proposal is based on these drivers, and we apply, throughout the entire life cycle, combinations of strategies and technological solutions to achieve circularity.

## What can we do for you?

- Natural resources and sustainability
- Product and process eco-design
- Circular industry
- Circular cities & regions
- Waste recovery and recycling
- Digitalisation for circular economy
- Bioeconomy

Further information



# Relationship models with companies



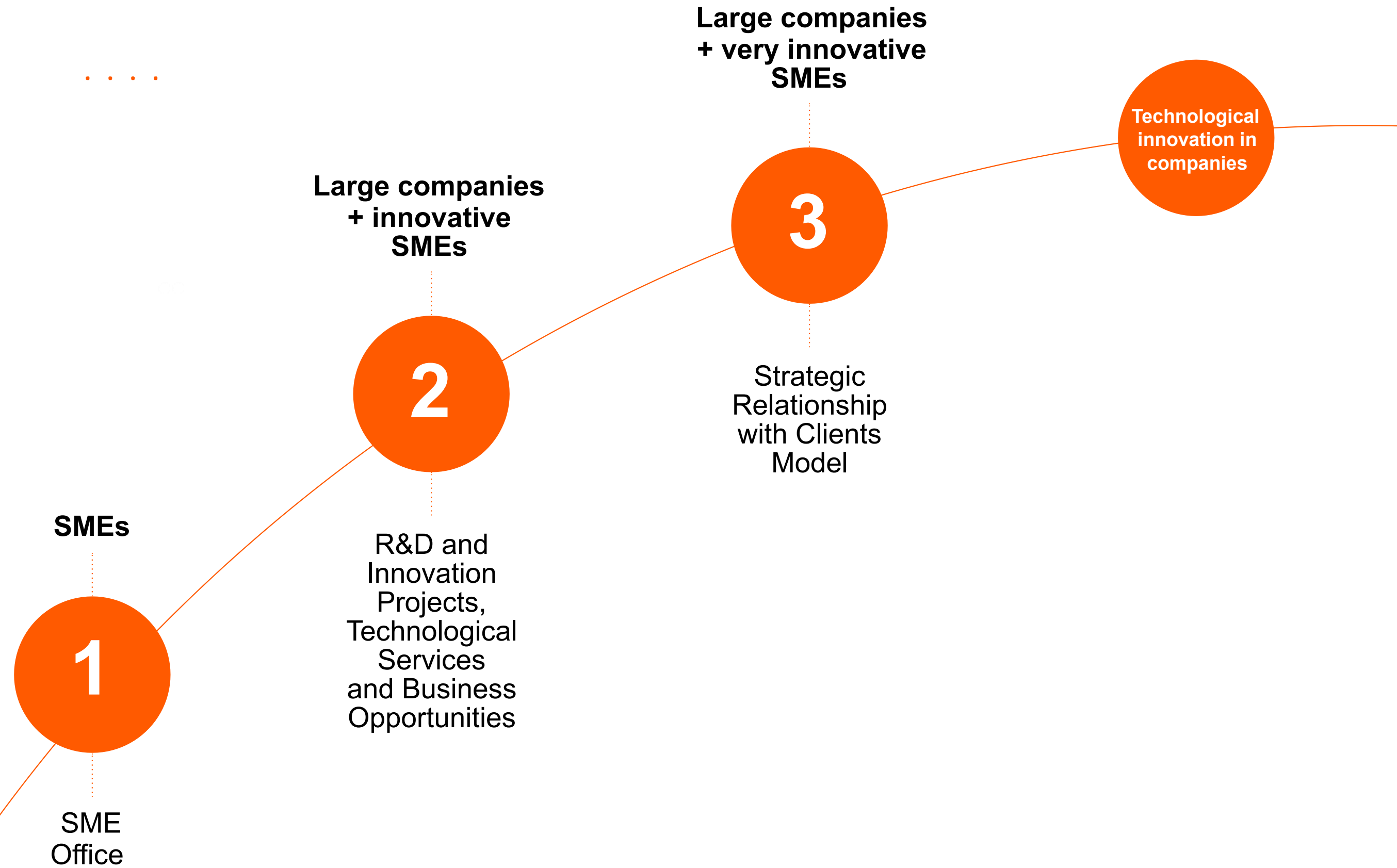
**We want to be the  
technological partner of all  
companies to generate high  
impact business opportunities  
through technology.**

Together, we can provide specific  
responses to the needs of the future.



# Relationship models with companies

TECNALIA's Relationship Models with Companies vary according to their degree of Technological Innovation, adapting to the needs of each Company.



**1**  
**Laboratory services**

**2**  
**R&D and Innovation projects**

**3**  
**Development of Investment Opportunities**

# Laboratory services.

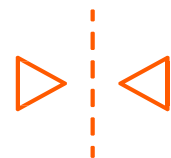
With more than **60** years of experience, **250** professionals and **30,000 m<sup>2</sup>** of accredited laboratories with unique facilities nationwide, we **validate** new **developments and manufacturing processes**. We also **evaluate and certify** the **safety, durability and suitability** for use of systems and products to accelerate their access to the market. Thanks to our **multi-technology and multi-sector knowledge**, we create synergies with R&D teams to offer higher **value-added** services that improve safety and sustainability.



Security



Trust



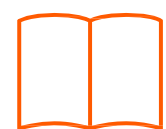
Proximity



2

# R&D and innovation projects

As strategic partners for your company, we develop customised R&D and innovation projects with a sole purpose: to generate impact on your business through technology.



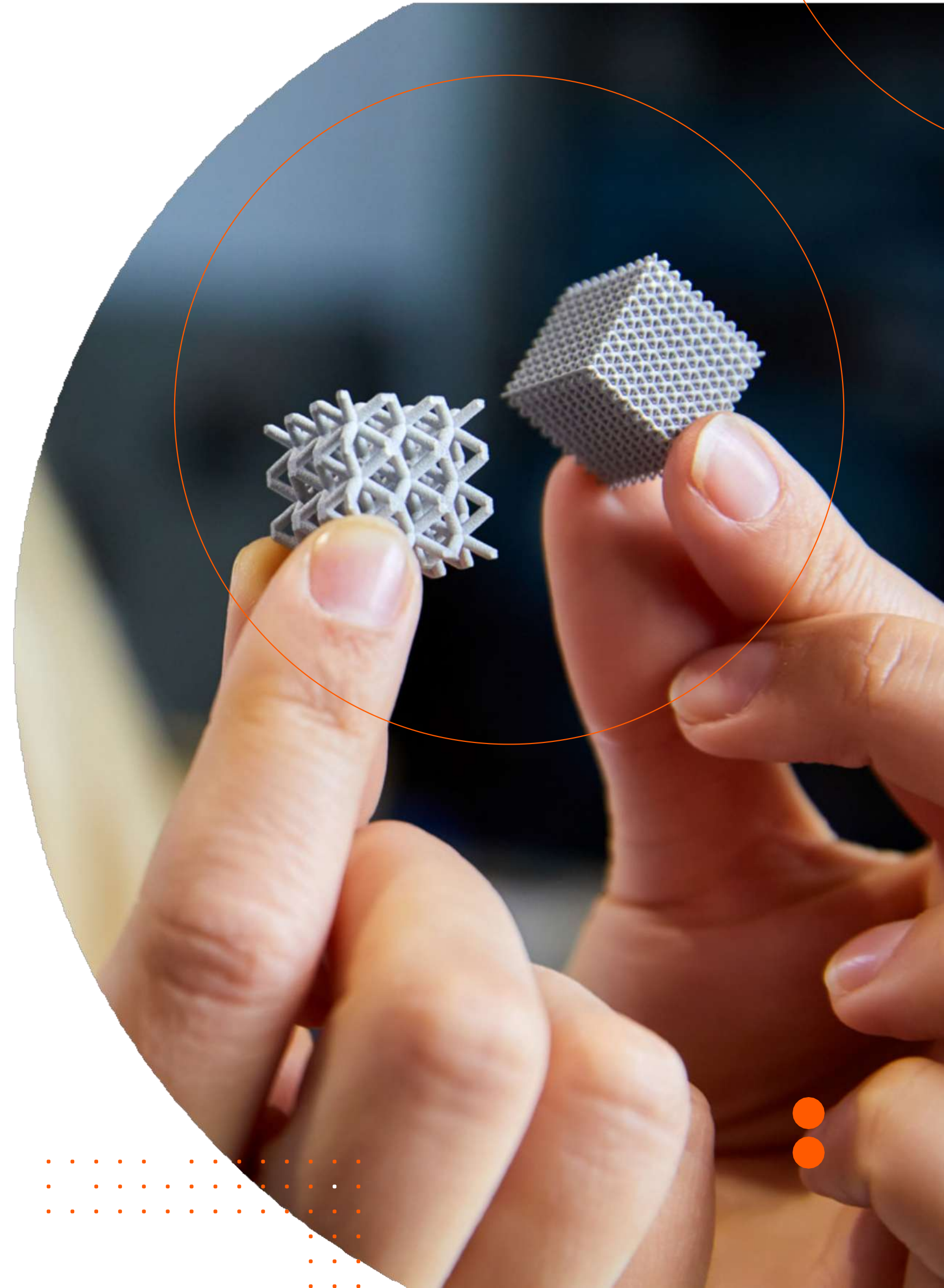
Research



Development





Engagement



# Development of investment opportunities

Through **TECNALIA Ventures**, we help you to address your R&D appraisal problems and make your business grow. To do so, we connect you with the three pillars of the technology transfer to market process:

 **Technological capabilities** aimed at improving your income statement.

 **People with a business profile** who are able to turn these capabilities into business.

 **Investors** committed to business development.

3



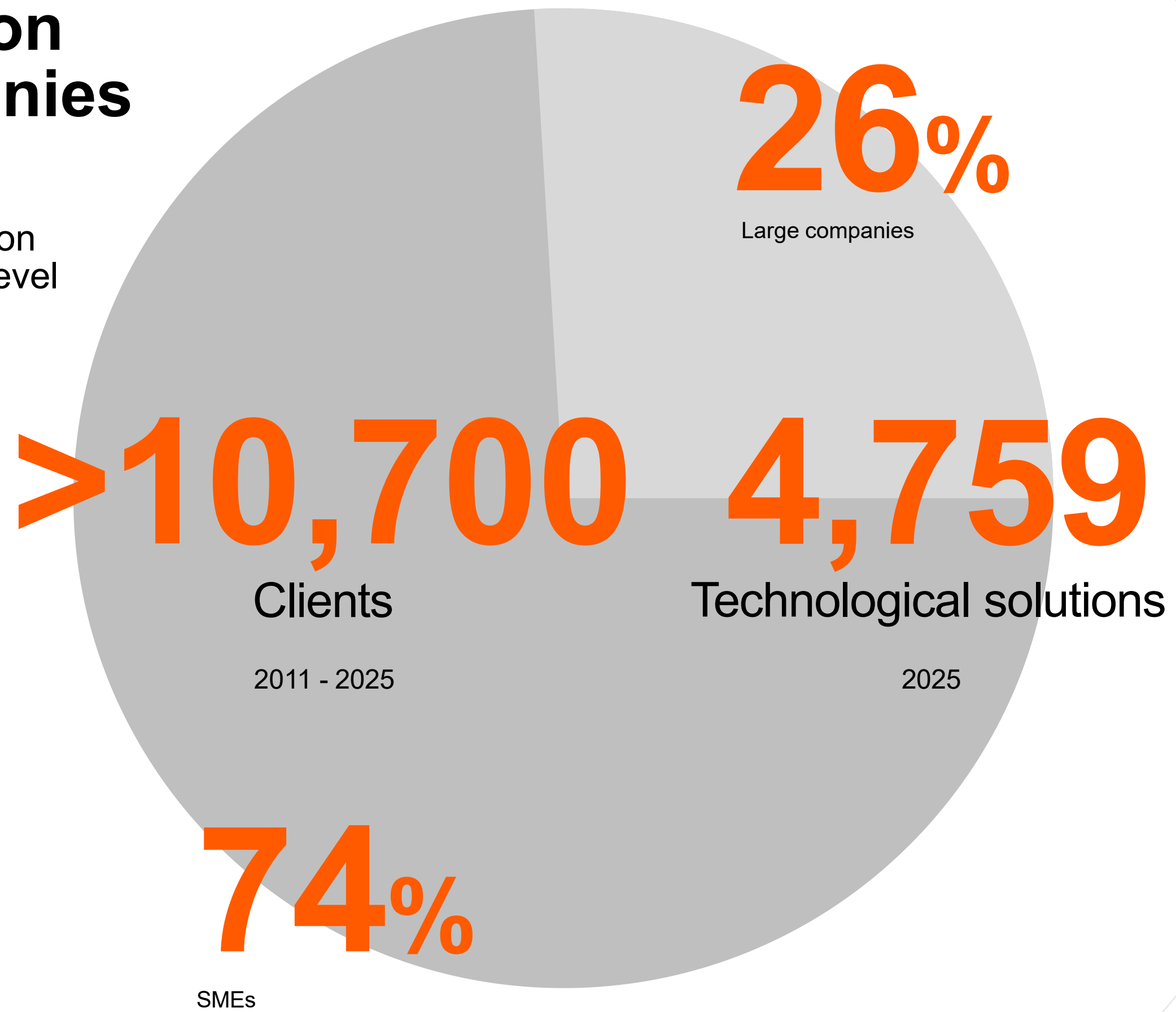
# Collaboration with companies

We are committed to the closest collaboration to obtain the highest level of satisfaction for you.

Satisfied clients\*

9 / 10

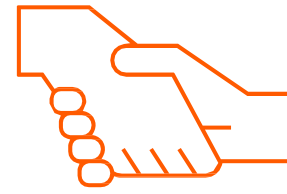
\* Client satisfaction index for 2025.



Business engagement

**Deeply rooted in the business community with strong institutional backing, TECNALIA has a solid foundation to become your business driver.**

Over 100 companies participate in  
.. our Governing Bodies.



---

**24**

---

## **Patron Trustees**

Companies



---

**8**

---

## **Institutional Trustees**

Basque Government, General State Administration,  
Provincial Councils



A circular microscopic view of plant cells, likely from a leaf, showing cell walls and internal structures. The image is tinted with a vibrant orange color. The cells are arranged in a somewhat regular pattern, with some larger cells and many smaller ones. The overall appearance is that of a cross-section of a plant tissue.

# Dual Impact Stories

Creating **profit** for companies  
only makes sense if it  
generates **value** for society.



Stories that, when told,  
can respond to our brand claim.

**Creating Growth : Improving Society**





# Dual Impact Stories

## ▶ Smart Manufacturing



# GESTAMP

Advanced manufacturing processes in the automotive industry



**Miguel Ángel Ferrández**  
R&D BIW Bilbao  
Director GESTAMP

“In conjunction with TECNALIA, thanks to the implementation of advanced manufacturing processes in the automotive industry, we have succeeded in reducing energy consumption, CO<sub>2</sub> emissions and production costs.”



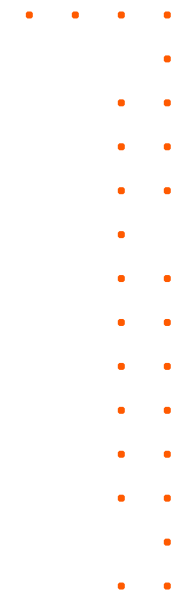
MORE INFO

[tecnalia.com](http://tecnalia.com)



**TECNALIA's collaboration with GESTAMP has enabled the development of a pioneering software that enables us to modify the manufacturing processes of automotive components and adapt them to more flexible, lighter and large-scale materials.**

**As a result of this collaboration, we produce components for the automotive sector that address today's environmental requirements.**



# VIDRALA

Producers of more than 8 billion glass containers a year



**Soraya Villa**

**Operations Data Systems  
Manager VIDRALA**

“In conjunction with TECNALIA, we have learned that applied technology can be a great tool for detecting and solving everyday problems in industry, resulting in more sustainable products.”



**MORE INFO**

**tecnalia.com**



The collaboration between VIDRALA and TECNALIA addresses a very common problem: the appearance of bubbles in glass containers. In search of a solution, TECNALIA's full technological potential and VIDRALA's experience in glass manufacturing have been combined.



We have managed to create a unique technological solution in the sector that allows us to calibrate the furnaces even better to control the production process, fine-tune the quality of the products and reduce energy consumption, which benefits companies and society as a whole.

# TDG

## Smart machinery



**Fernando Santamaría**  
Sales and Marketing  
Director - TDG

“The collaboration between TECNALIA and TDG arises from the need for companies to constantly evolve their businesses, work processes and technologies”.



**MORE INFO**

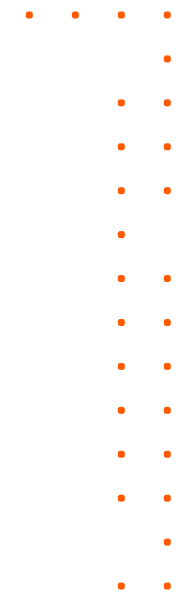
[tecnalia.com](http://tecnalia.com)



Thanks to this collaboration a machining clamping solution has been found, that uses wireless sensors to monitor the clamping force dynamically and provides real-time information, making it possible to offer a safer clamping solution



In addition, new knowledge and field of exploration has been acquired, allowing TDG to expand its product portfolio, as well as to guarantee its customers greater job security.



# INDUSTRIAS GARITA

## Metal stamping in the automotive sector



**Jesús Irastorza**  
CEO Garita Automotive

“We create lightweight components for vehicles with reduced weight, enhanced features, and a clear double impact.”



MORE INFO

[tecnalia.com](http://tecnalia.com)



The collaboration between **TECNALIA** and **GARITA AUTOMOTIVE** was aimed at finding ways to create new products with improved functionalities.

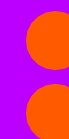


Thanks to the creation of **lightweight components**, we reduce the weight of vehicles and, therefore, fuel and battery consumption, as well as gas emissions.



# Dual Impact Stories

▷ Digital Transformation



# NORBOLSA

Investment services company with more than 30 years of history



**Iñaki Varela**

**Deputy General Director of Media NORBOLSA**

“At NORBOLSA, we wanted to take advantage of this technical experience and knowledge to be able to build and deploy a financial solution for the placement of promissory notes.”



**MORE INFO**

**tecnalia.com**



**NORBOLSA and TECNALIA embarked on a pioneering collaboration to create a technology platform based on smart contracts that will enable financial instruments to be placed among different stakeholders rapidly, safely and transparently.**

**Thanks to the potential of Blockchain and Web3, we will be able to create safe and agile innovative solutions adapted to all types of business and applied to the specific needs of society.**

# BASF

World's largest chemical company



**Xavier Ribera**  
Head of Communications,  
Govern Affairs and  
Sustainability -  
BASF Spain & Portugal

“The collaboration between TECNALIA and BASF stems from an increasingly digitalized world and companies’s pursuit of more efficient processes”.



MORE INFO

[tecnalia.com](http://tecnalia.com)



**TECNALIA and BASF have collaborated with the goal of developing a reliable solution to digitalize and automate both insect counting and the subsequent access to collected data and reported results.**



**On one hand, farmers benefit from more efficient R&D processes; on the other hand, society benefits from more effective and sustainable products that ensure food quality.**



# Dual Impact Stories

▶ Energy Transition



# ACLARA

Equipment and component manufacturers for the electrical and power sector



**Pedro Urteaga**  
President of  
Global IEC Engineering  
ACLARA-HUBBELL

“In conjunction with TECNALIA, we create new products and solutions that allow for a more responsible and sustainable use of energy.”



MORE INFO

[tecnalia.com](http://tecnalia.com)



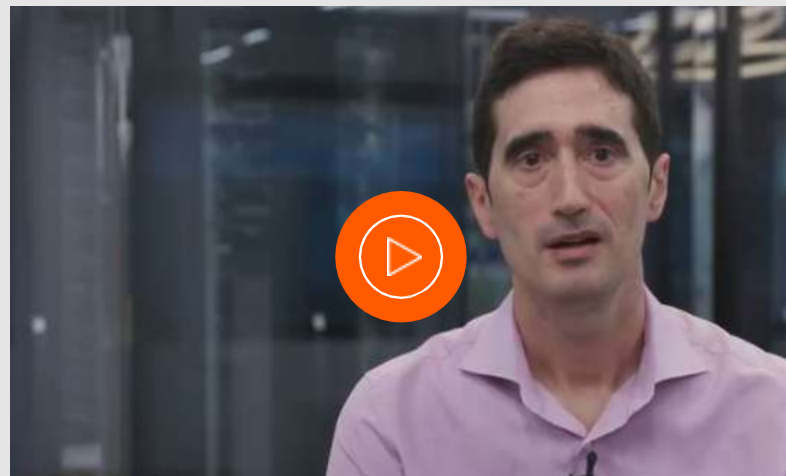
At the ACLARA (Hubell) engineering excellence centre, TECNALIA’s multi-technological know-how is turned into innovative solutions that foster a decarbonised, electrified and more digitalised energy model.



We are living in an era in which shared knowledge is a powerful tool to come up with solutions that add value to society.

## i-DE

Iberdrola group  
electrical distribution  
company



**Zigor Ojinaga**  
i-DE Substation Standardization  
Manager

“Thanks to the use of new generation  
tools and equipment we manage to  
save time, costs and remotely solve  
potential incidents that may occur.”



MORE INFO

[tecnalia.com](http://tecnalia.com)



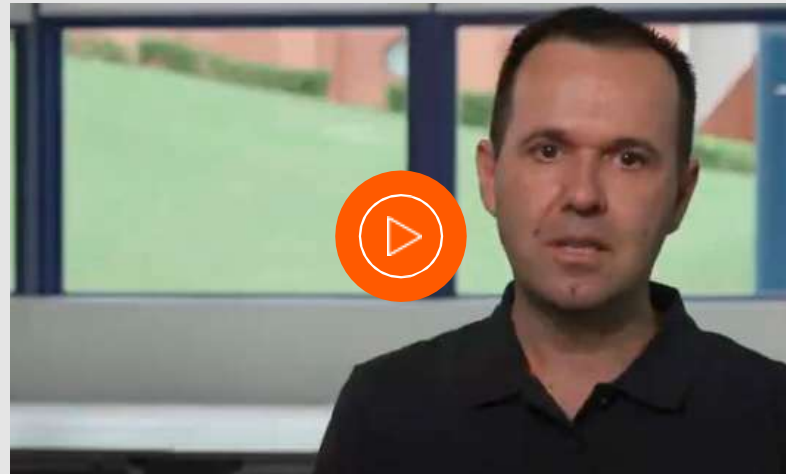
i-DE and TECNALIA have embarked on a collaboration that aims to define the new requirements for the functional validation and cybersecurity of the electrical grid equipment in order to guarantee the efficiency of supply and, in turn, comply with the most demanding verifications.



We are developing a technological solution that seeks greater energy efficiency and provides numerous benefits for companies and for society as a whole.

# COREMARINE

## Utilities and power generation



**Carlos López**  
Technology Director,  
COREMARINE

“We develop innovative inspection and monitoring solutions that significantly reduce the need to access devices installed at sea.”



MORE INFO

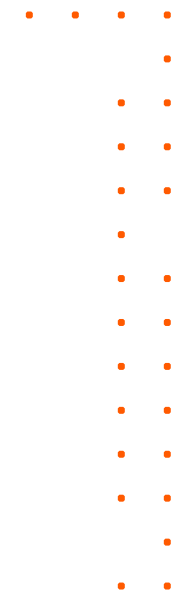
[tecnalia.com](http://tecnalia.com)



The collaboration between **COREMARINE** and **TECNALIA** comes in, based, among others, on making the complex and costly operation and maintenance activities of floating wind power more efficient.



This is an innovative way of applying digitalization to solve problems related to marine energy. A project that allows us to reduce process costs and facilitates the commercialization of floating wind energy.



# VAILLANT SAUNIER DUVAL

Leaders in the  
heating and ventilation  
technology industry



**Ricardo Fernández**  
Pre-sales support engineer  
in VAILLANT SAUNIER  
DUVAL

“We have created a heat pump  
that works alongside  
photovoltaic energy  
to optimise comfort levels  
using renewable energy.”



**MORE INFO**

[tecnalia.com](https://tecnalia.com)



Thanks to the collaboration  
between VAILLANT SAUNIER  
DUVAL and TECNALIA,  
we have carried out a series  
of tests in laboratories with  
controlled spaces, which  
have allowed us to reproduce  
the real behavior of the system.



This is a new business opportunity  
which integrates renewable energy  
into our lives, and the opportunity  
to save on monthly bills.

# TTT GROUP

Thermal and surface treatments for the Aeronautics and Automotive markets, among others



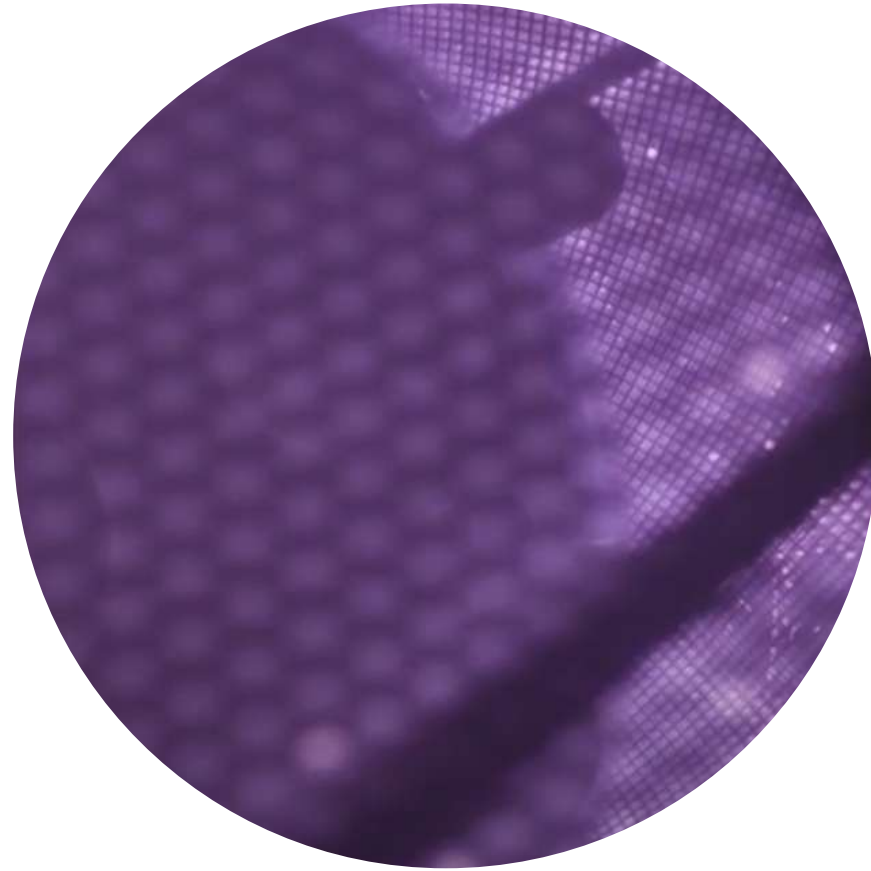
**Oihane Larrañaga**  
Tratamientos Térmicos -  
TTT GROUP Manager

“The development of this treatment not only enhances the competitiveness of the TTT Group and the European industry with cutting-edge treatments, but it is also more energy efficient and environmentally friendly, thus helping to preserve the planet and support a more sustainable economy.”



MORE INFO

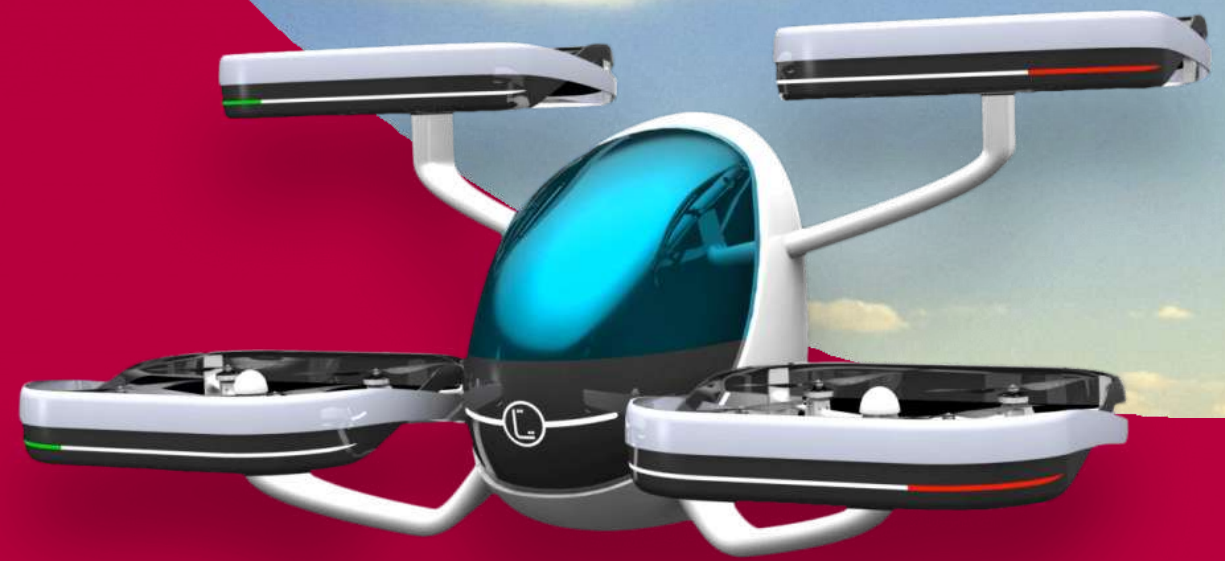
[tecnalia.com](http://tecnalia.com)



TTT GROUP and TECNALIA have worked together to develop a specific treatment applied to stainless steels using active screen plasma nitriding technology.



The development of this treatment is energy efficient and environmentally friendly, thus helping to preserve the planet and support a more sustainable economy.



# Dual Impact Stories

▷ Sustainable Mobility



# FERSA

Complete bearing solutions for the automotive industry



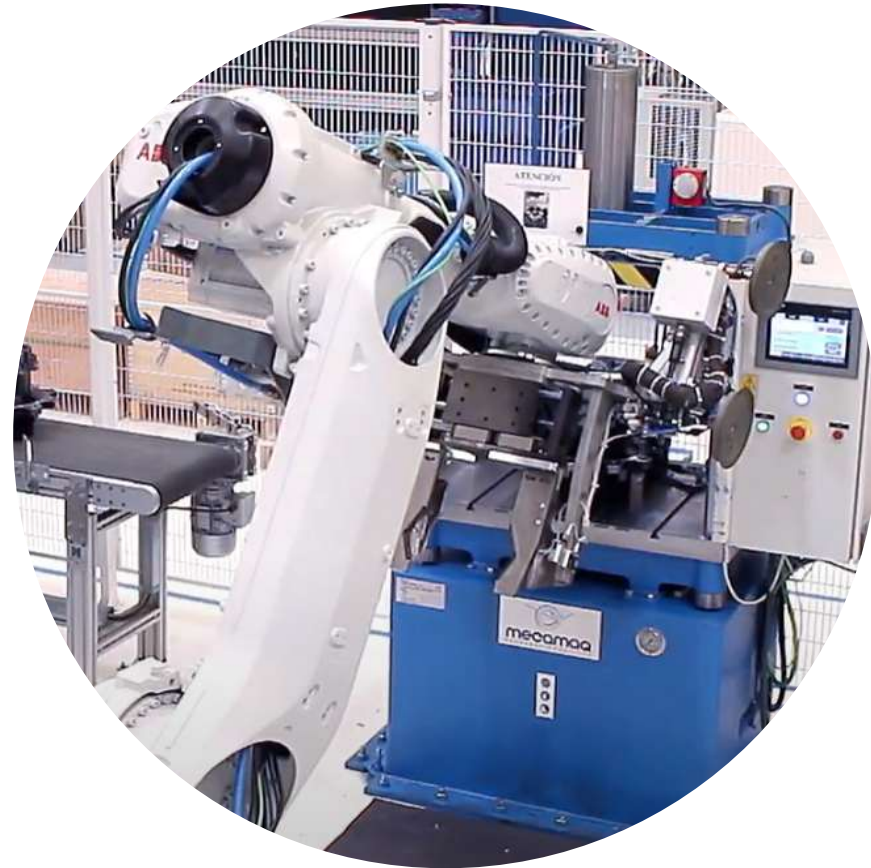
**Fernando Cebrián**  
Operations Director  
FERSA

“We developed an innovative technological solution that improves the operational efficiency of production processes, increases product quality and reduces the environmental impact derived from manufacturing.”

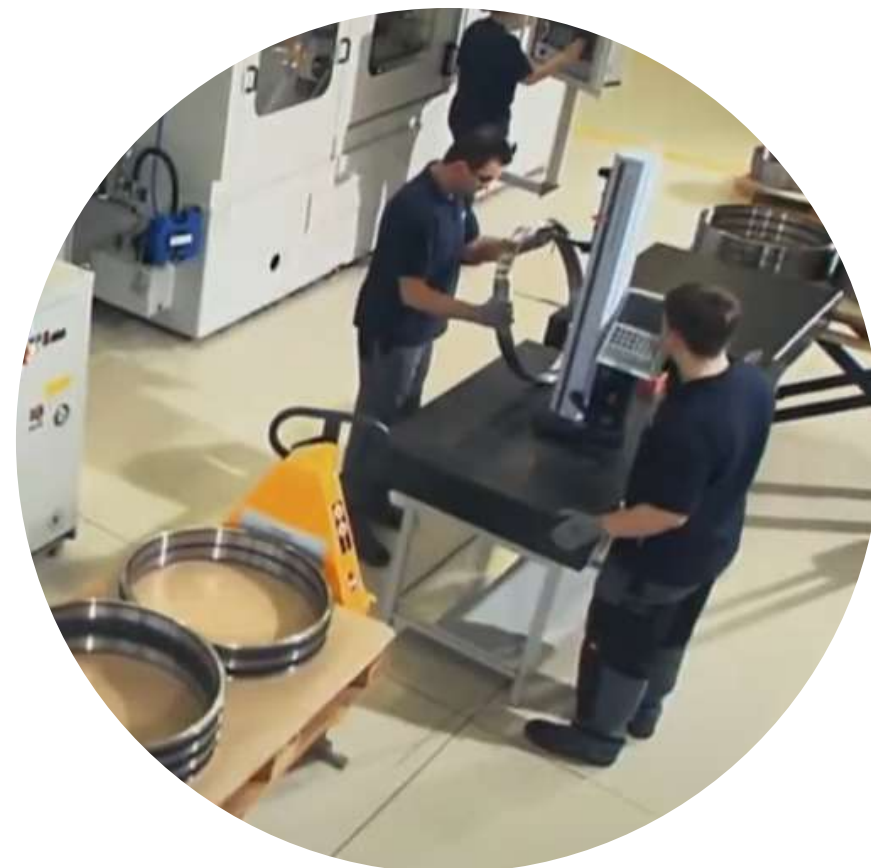


MORE INFO

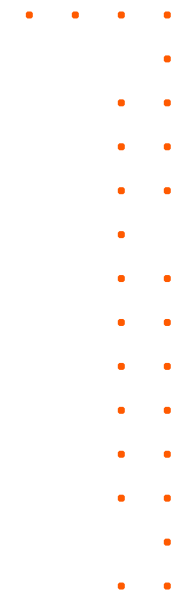
[tecnalia.com](http://tecnalia.com)



The collaboration between FERSA and TECNALIA is based on innovation and artificial intelligence, having developed a data management tool that integrates simulation models from a bearing production line and Artificial Intelligence to control the process.



It is a solution that provides multiple advantages to the industrial sector, the environment and society as a whole.



# CIE AUTOMOTIVE

**Components,  
assemblies and  
subassemblies for the  
automotive market**



**Óscar Valbuena**  
Processes engineer  
CIE

“We design a new manufacturing route through the hybridisation of two technologies to produce toothed geometries.”



**MORE INFO**

[tecnalia.com](http://tecnalia.com)



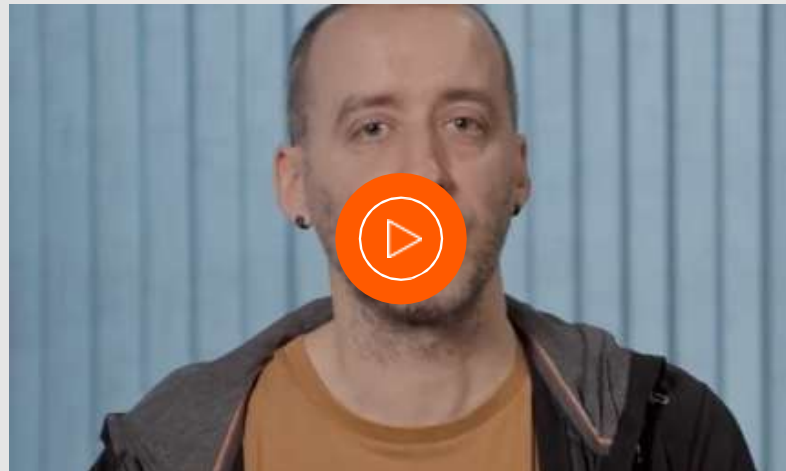
**Thanks to the collaboration between CIE and TECNALIA we have developed an innovative solution for the differential assembly of vehicles of the future.**



**Thanks to the combination of these two advanced manufacturing processes, we have achieved greater efficiency by increasing savings in raw materials, which also leads to a reduction in the energy consumed and the final machining costs.**

# EKIDE

## Automotive and railway vehicle engineering



**Ander Uralde**  
Product and Process  
Manager - EKIDE

“In the solution developed, we have lightened the construction systems without compromising their performance.”



MORE INFO

[tecnalia.com](http://tecnalia.com)



The solution developed jointly by TECNALIA and EKIDE includes composite materials in the interiors of railway vehicles, replacing conventional materials. As a result, construction systems have been made lighter without compromising their performance.



Thanks to the joint work between EKIDE and TECNALIA, we have taken a key step towards more sustainable transport by developing an innovative solution with a dual positive impact: economic and social.



# Dual Impact Stories

▶ Health and Food



## IMQ

Leading private  
healthcare company in  
the Basque Country



**Nicolás Guerra**  
General Manager  
IMQ Clinics

“In conjunction with TECNALIA,  
we develop smart solutions to  
improve working conditions and  
the quality of working lives in  
order to reduce the amount of  
work-related accidents and  
occupational diseases.”



MORE INFO

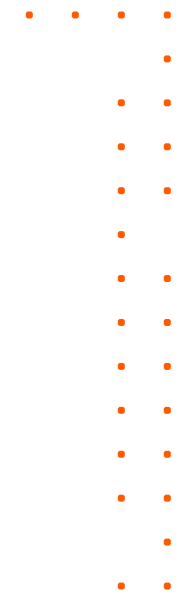
[tecnalia.com](https://tecnalia.com)



IMQ and TECNALIA are  
collaborating actively on a  
pioneering project to develop  
new generations of personalised  
exoskeletons to prevent  
straining and musculoskeletal  
injuries.



Thanks to these improvements,  
cost-effective technological  
tools will be created, adapted to  
the market's current needs.



# CINFA

Leading laboratory  
in the Spanish  
pharmaceutical market



**Francisco José Aranda**  
Quality Director  
CINFA

“This alliance is the result of a trust-based day-to-day relationship which has led us to create a working team able to address all the drug production phases.”



**MORE INFO**

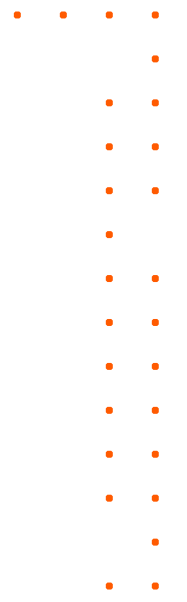
[tecnalia.com](http://tecnalia.com)



The collaboration between  
**CINFA and TECNALIA**  
arose with the objective  
of expanding our  
joint development and  
production capacity.



This alliance gives us the opportunity  
to provide society with accessible  
quality medicines, so that everyone  
can enjoy better health for longer.



# OPTIMUS3D

## Health and medical devices



**Izaskun Arriaga**  
Medical Device  
Technical Manager -  
OPTIMUS3D

“The introduction of biomedical engineering into the field of healthcare makes it possible to personalise surgical and rehabilitation treatments, providing greater benefits and solutions.”



MORE INFO

[tecnalia.com](http://tecnalia.com)



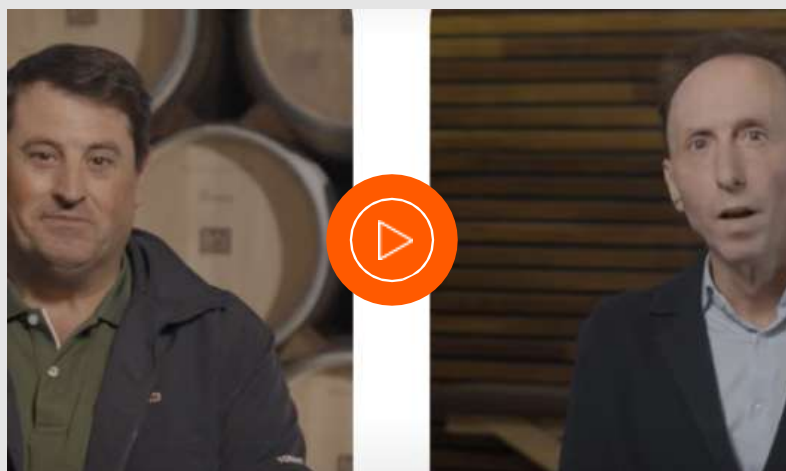
The collaboration between **TECNALIA y OPTIMUS3D Health**, has come up with an innovative solution that provides a business opportunity by adding a new, unique medical device to our portfolio of products.



Thanks to this collaboration, we provide a treatment superior to conventional treatment that prevents muscles from weakening, reduces pain and, ultimately, improves the lives of people suffering from rhizarthrosis.

# BAIGORRI & EGUIA

Food and  
beverages



**Simón Arina**

Technical Director / Oenologist -  
BAIGORRI

**Íñigo Eguia**

CEO - EGUIA

“This collaboration was born,  
with the goal of making the most  
of the beneficial properties of  
grapes by developing new  
products.”

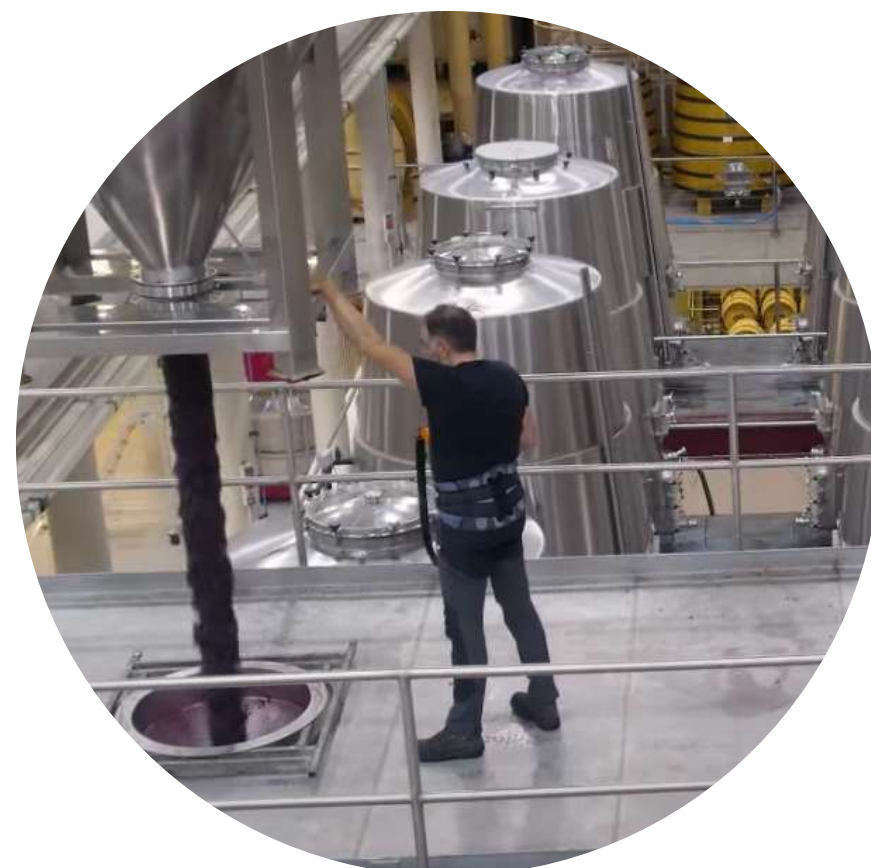


MORE INFO

tecnalia.com



We have studied different grape varieties and characterized the by-products generated during the winemaking process to develop new natural products; focused on sports nutrition in the case of BAIGORRI and creating a new line of coffees with multiple health benefits in the case of EGUIA.



Thanks to this collaboration, we add value to the by-products generated during the winemaking process, contributing to environmental sustainability.



# Dual Impact Stories

## ▶ Urban Ecosystem



# ALUCOIL

Manufacturers of technologically advanced materials for the building, transport and industrial sectors



**Belén Martín**  
ALUCOIL General Manager

“In conjunction with TECNALIA, we are addressing a new market situation with innovative solutions, in which housing is more sustainable and integrated into a new, more inclusive urban model.”



MORE INFO

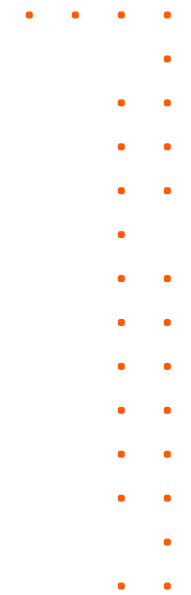
[tecnalia.com](http://tecnalia.com)



ALUCOIL and TECNALIA embarked on a collaboration that aimed to study a new façade cladding system using *aluminium* honeycomb panels.



Together, we have created new solutions to make housing more sustainable and integrated into a new, more inclusive urban model, and to make people’s lives safer.



# INKOLAN

Supplier of digital information on water, gas, electricity, telecommunications and municipal network infrastructures



**Lucía Alcibar-Arechuluaga**  
Business Development  
Director, INKOLAN

“With TECNALIA we tackle the digital transformation of the cities of the future in an efficient way, counting on a differential factor: data.”



*MORE INFO*

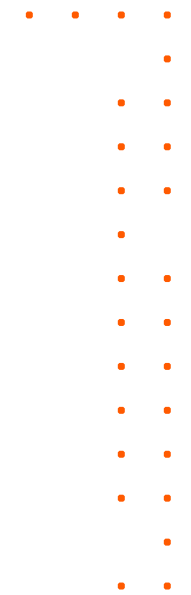
[tecnalia.com](http://tecnalia.com)



The collaboration between INKOLAN and TECNALIA is especially important, because we have worked together on the design and application of digital twins in urban contexts.



Our work involves a software architecture that virtually replicates a city’s water, gas, electricity, telecommunications, and network infrastructure. Then, smart data helps us to understand how the infrastructure works in a global and integrated way.





# Dual Impact Stories

▶ **Circular Economy**



# PLASTIGAUR

Plastic manufacturing company



**Asier Flores**

**Quality and R&D and Sustainability Director - PLASTIGAUR**

“This collaboration has enabled us to develop innovative and sustainable solutions in the packaging sector thanks to the creation of a new sustainable film.”



**MORE INFO**

[tecnalia.com](http://tecnalia.com)



This collaboration has enabled us to develop innovative and sustainable solutions in the packaging sector thanks to the creation of a new sustainable film. This film is made up of three layers of polyethylene, making it a mono-material solution that is 100% recyclable at the end of its useful life.



This development is a major step towards the sustainability goals. As the packaging is mono-material and recyclable, it facilitates waste management, reduces the use of virgin raw materials, fosters the circular economy and helps to reduce both food waste and CO<sub>2</sub> emissions.

# Alliances

# Alliances :



AECI



École nationale supérieure d'Arts et Métiers | ENSAM - École d'ingénieurs française



aQuantum | Quantum Software Engineering and Programming



BCAM - Basque Center for Applied Mathematics



BCRC



BCM Basque Center for Materials, Applications & Nanostructures | BCMaterials



Brandenburg University of Technology Cottbus-Senftenberg



BRTA



BC3 Research - Basque Centre for Climate Change



CIC biomaGUNE



CFM - Materials Physics Center



Délégation Aquitaine du CNRS



Consejo Superior de Investigaciones Científicas



Consultoría de toxicología farmacéutica - Dalia Global



DIPC



EARTO



European Institute of Innovation & Technology (EIT)



Escuela Universitaria Politécnica de La Almunia | Universidad de Zaragoza



Euskampus Fundazioa



ETH Zurich



Fundación imas



HiTZ: Centro Vasco de Tecnología de la Lengua | HiTZ Zentroa



i-DE



IFMIF-DONES



Instituto Ricardo Valle de Innovación



Ikerbasque - Basque Foundation for Science



LabPaper Tolosa



Organistry



PACKBENEFIT



Polymat



Qubiz Team



Leading QRNG Company for Advanced Solutions | Quside



Sener



Sociedad Española de Cardiología



Telefónica



Eindhoven University of Technology



U-tad - Centro Universitario de Tecnología y Arte Digital



UC3M



Universidad de Cantabria



# European Benchmark



# EARTO (European Association of Research & Technology Organisations)

## Presidence

Our Managing Director, **Jesús Valero**, is currently the President of EARTO, the European Association of Research and Technology Organisations.

With more than **350** technology organisations and **228,000** researchers in more than 32 countries, EARTO is the leading European technology network, with a consolidated track record of more than **25** years, which has positioned the Technology Centres as key players in collaboration in terms of **research, development and innovation**, boosting the competitiveness of the European Union.



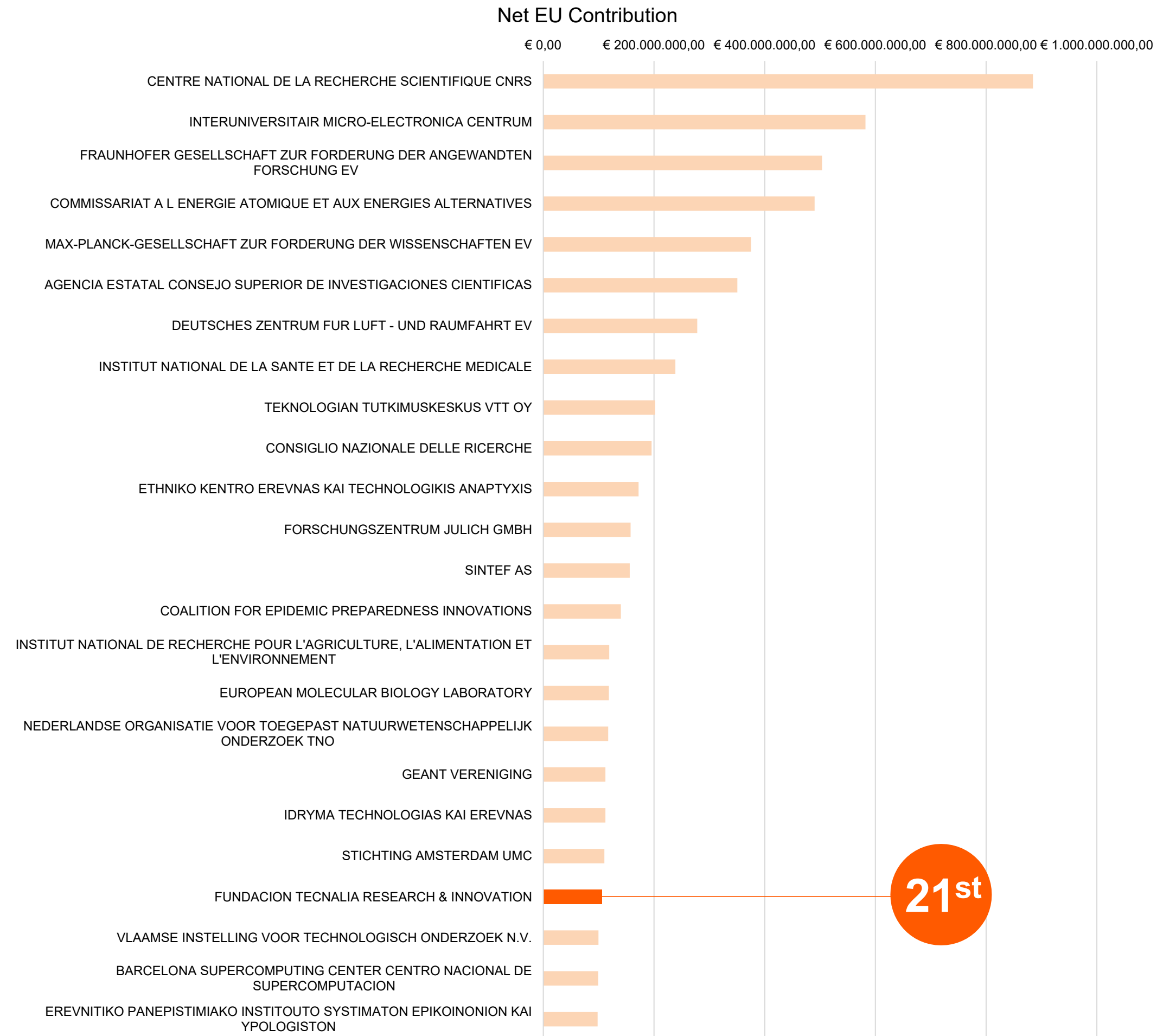
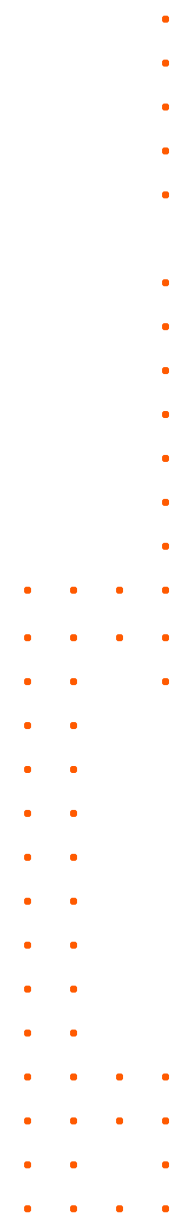
**1st**

**Private organisation in Spain  
in project contracting, participation  
and leadership in the EU Horizon  
Europe Programme, where it plays  
a relevant driving role for other  
industrial partners, which represent  
50% of the total collaborations.**



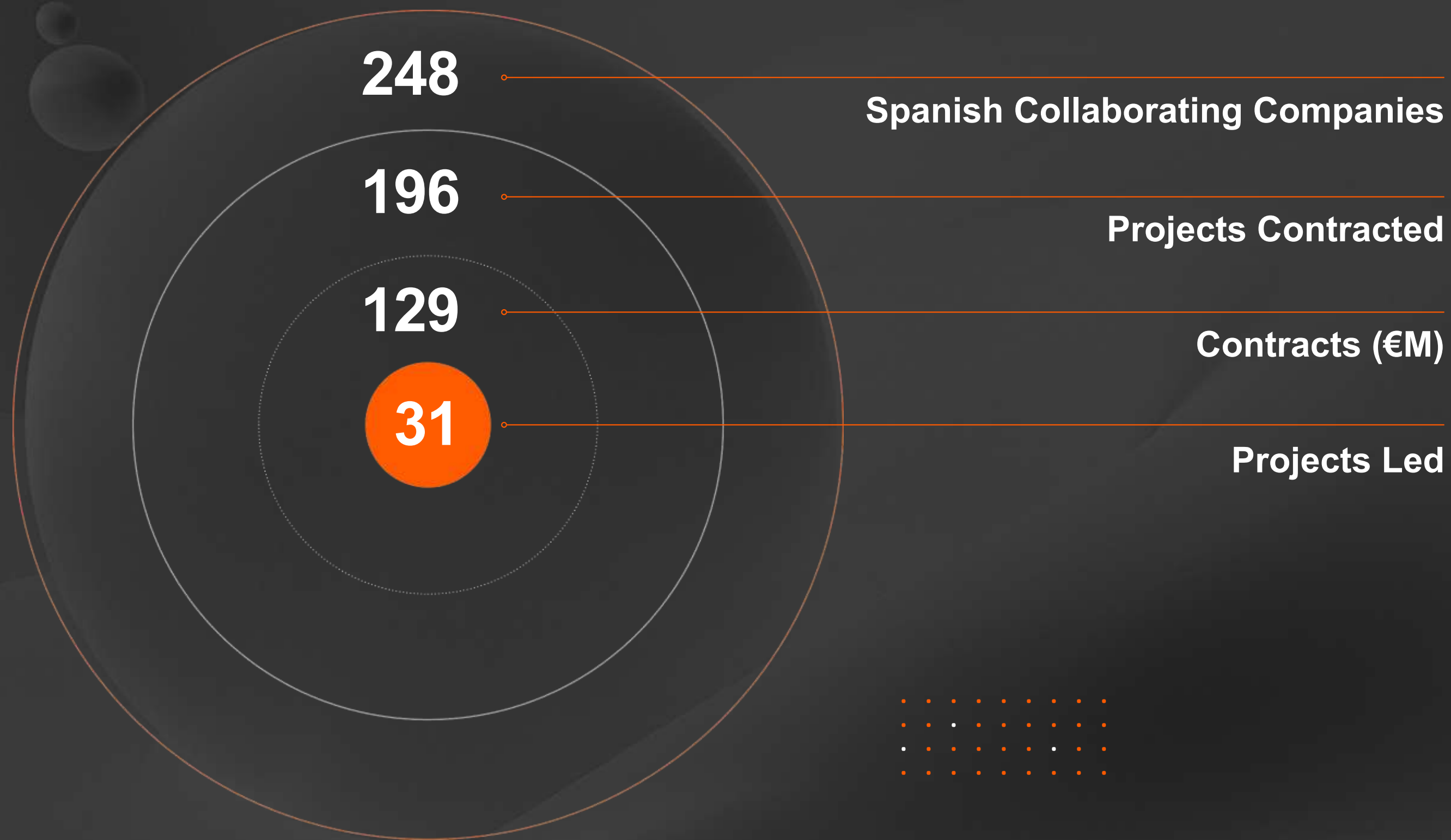
# Ranked No. 21 out of 3,179 European Research Organisations in Horizon Europe.

SOURCE: Funding & Tenders  
Data of February 2026



# Participation in Horizon Europe

Figures on 31 December 2025



# Participation in Partnerships in Horizon Europe

The EU is increasingly outsourcing management to Public-Private Organisations with greater independence to influence R&D and innovation.

One of TECNALIA's key success factors is its strategic positioning in **over 20 major European partnerships.**



# Industrial Property



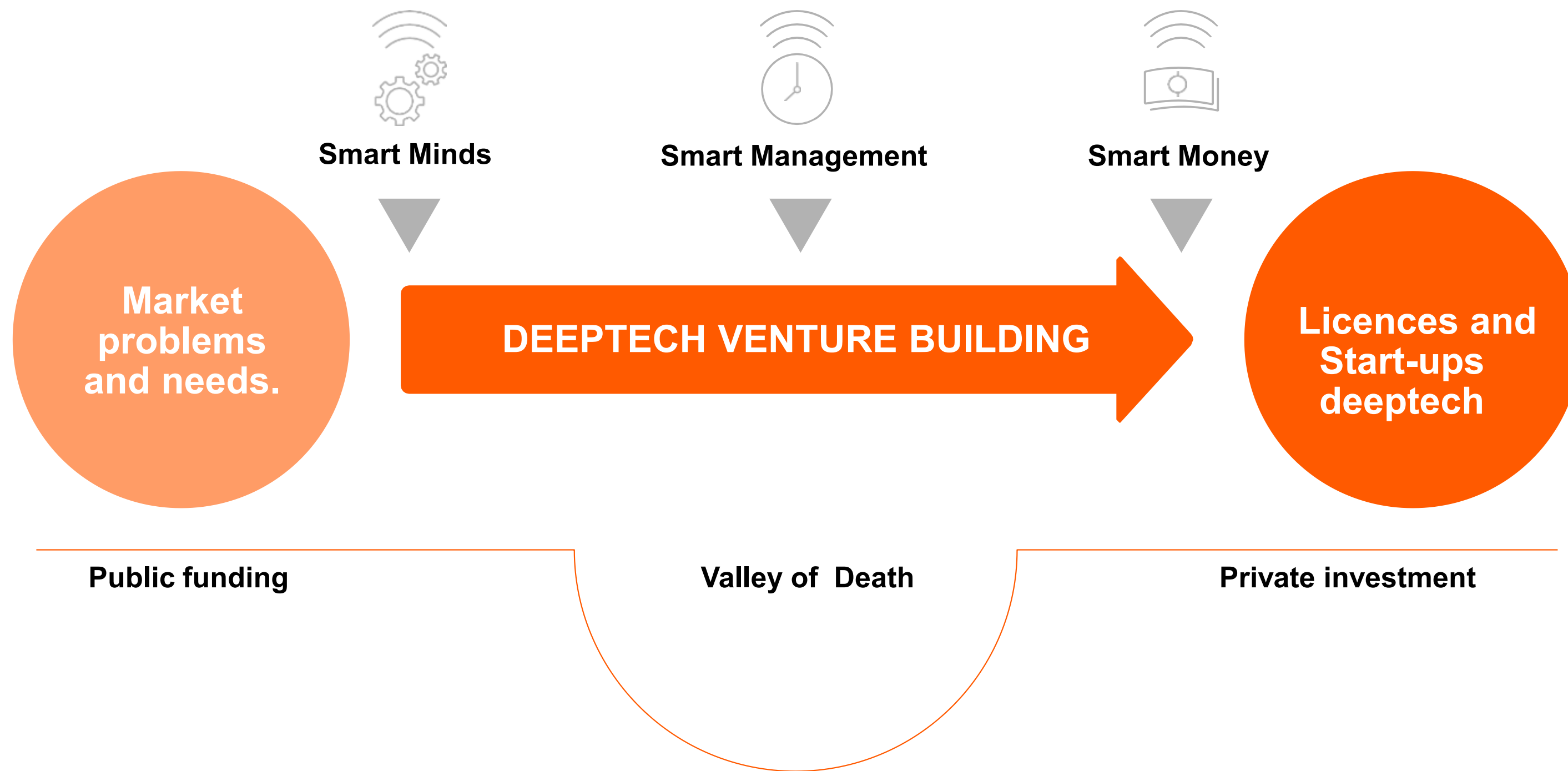
# tecnalia ventures

Technology Value for Growth

**It is the team of people at TECNALIA** that pursues the objective of **adding value to the centre's investment in R&D and Innovation** by identifying and managing deep tech business opportunities through a venture building process.

To do so, it connects the three fundamental pillars of any innovation ecosystem:

- People who generate technology-based ideas (minds).
- Managers capable of transforming technological ideas into business opportunities (management).
- Investors who bet on deep tech entrepreneurial initiatives (money).

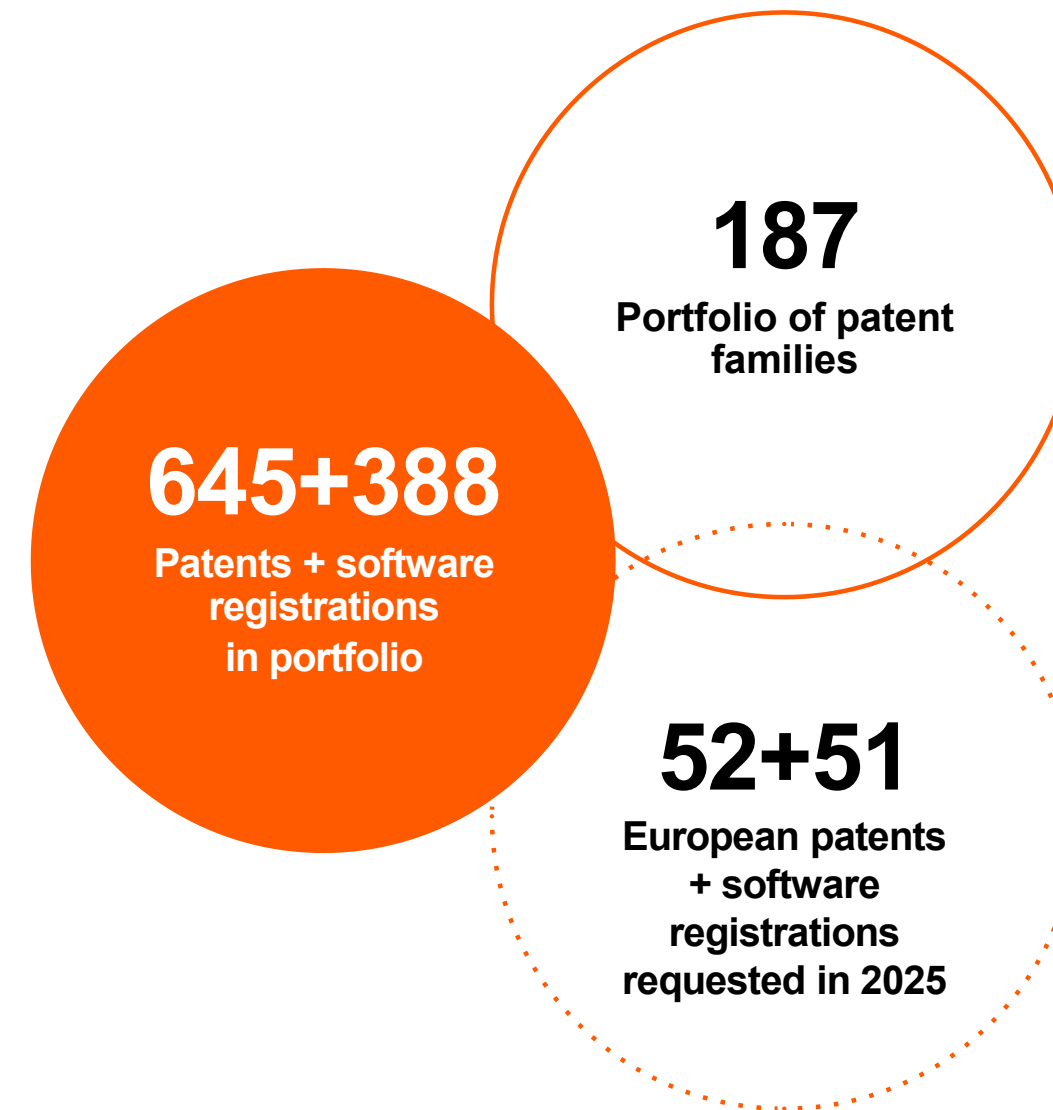


Acceleration of the incubation of technological assets until they are turned into investment opportunities capable of solving corporate income statement problems and generating value for society: DEEPTECH VENTURE BUILDING



**TECNALIA** is currently the **fifth Spanish organisation in European patent applications**, with an outstanding success ratio of 91% regarding EPO/PCT applications granted since 2012.

## Industrial Property

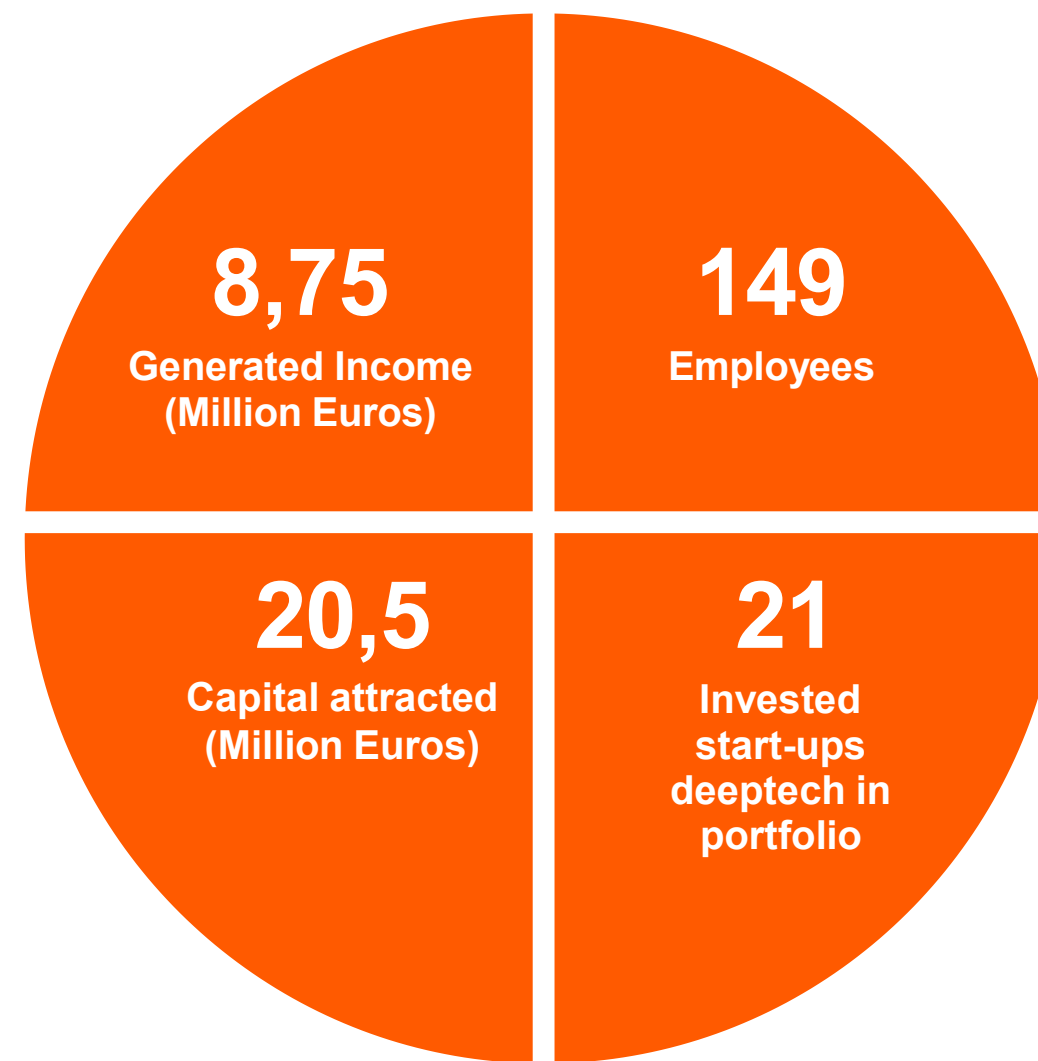


Figures on 31 December 2025



The **survival** rate of TECNALIA'S start-ups deeptech after 5 years of their establishment is **91%**.

### Start-ups deeptech



2025 aggregated figures



# TECNALIA-driven companies :



**AUREA**  
[www.myaurea.es](http://www.myaurea.es)



**DIGIMET**  
[www.digimet.es](http://www.digimet.es)



**ACUSTRAIN**  
[www.acustrain.com](http://www.acustrain.com)



**ADDILAN**  
[www.addilan.com](http://www.addilan.com)



**GO4IT SOLUTIONS**  
[www.go4it.solutions](http://www.go4it.solutions)



**FESIA**  
[www.fesiatechnology.com](http://www.fesiatechnology.com)



**INGREDALIA**  
[www.ingredalia.com](http://www.ingredalia.com)



**IZPITEK SOLAR**  
[www.izpitekSolar.com/](http://www.izpitekSolar.com/)



**NEOS SURGERY**  
[www.neosurgery.com](http://www.neosurgery.com)



**BIOKEMIK**  
[www.biokemik.eu](http://www.biokemik.eu)



**NAUTILUS**  
[www.nautilusfs.com](http://www.nautilusfs.com)



**H2SITE**  
[www.h2site.eu](http://www.h2site.eu)



**VELTIS**  
[www.veltisrating.com](http://www.veltisrating.com)



**INTELLIALERT**  
[www.intellialert.es](http://www.intellialert.es)



**SOLARCRAFT**  
*Web en construcción*



**TREBEZIA**  
[www.trebezia.com](http://www.trebezia.com)



**REVALHEAT**  
*Web en construcción*



**CRISALION**  
[www.crisalion.com](http://www.crisalion.com)



**SURION**  
[www.surionwind.com](http://www.surionwind.com)



**HYTEAM**  
[www.hyteam.com](http://www.hyteam.com)



**SURION**  
*Web en construcción*



# Governing Bodies



# Board of Trustees:

## CHAIRMAN

**INGETEAM, S.A.**

Alex Belaustegui

## VICE-CHAIRMAN

**GESTAMP**

María José Armendáriz

## SECRETARY

**KUTXABANK**

José Luis Bastarrica

## PATRON TRUSTEES

**ACLARA-HUBBELL**

Pedro Urteaga

**AERNNOVA**

Gemma Ortiz de Barrón

**ARTECHE**

Alexander Artetxe

**AYESA DIGITAL**

José Manuel Barrutia

**CEMENTOS LEMONA**

Elena Guede

**CIE AUTOMOTIVE**

Iñigo Loizaga

**FCC CONSTRUCCIÓN**

Antonio Burgueño

**FEDERACION ESPAÑOLA  
DE ASOCIACIONES DE  
FUNDIDORES**

Marcial Alzaga

**GESTAMP**

María José Armendáriz

**GRUPO IGUALMEQUISA, S.A.**

Nicolás Guerra

**IBARMIA**

Arrate Olaiz

**IBERDROLA, S.A.**

Estíbaliz Goñi

**INGETEAM, S.A.**

Alex Belaustegui

**IRIZAR**

Imanol Rego

**IVÁN MARTÉN ULIARTE**

**KUTXABANK**

José Luis Bastarrica

**LOINTEK**

Javier Loroño

**TALGO**

Rafael Sterling

**PETRÓLEOS DEL NORTE, S.A.  
(PETRONOR)**

Jose Ignacio Zudaire

**SENER**

Itziar Urrutia

**TUBACEX, S.A.**

Diego Herrero

**VALORIZA SERVICIOS  
MEDIOAMBIENTALES**

David Redondo

**VELATIA**

Javier Larrieta

**VICINAY MARINE**

Onintze Matías

## INSTITUTIONAL TRUSTEES

**BASQUE GOVERNMENT**

Alberto Fernández

Jaione Ganzarain

Adolfo Morais

Enrique Peiró

**GENERAL STATE ADMINISTRATION**

Juan Cruz Cigudosa

**ARABA PROVINCIAL COUNCIL**

Ander Larrinaga

**BIZKAIA PROVINCIAL COUNCIL**

Joseba Mariezkurrena

**GIPUZKOA PROVINCIAL COUNCIL**

Jon Gurruchaga



# Clients and collaborating partners :

ACERINOX EUROPA, S.A.U.

ACLARA-HUBBELL

AERNNOVA

AGALEUS

AIANOX

ALTUNA Y URIA

AMURRIO

ARCELORMITTAL INNOVACIÓN,  
INVESTIGACIÓN E INVERSIÓN, S.L.

ARTECHE

ATS GLOBAL

AYESA DIGITAL

BURDINOLA, S.COOP.

CEMENTOS LEMONA

CIE AUTOMOTIVE

CONSTRUCCIONES Y AUXILIAR  
DE FERROCARRILES, S.A. (CAF)

DENN

tecnalia.com

EGILE

EIBHO

ELECNOR

EPTISA Cinsa INGENIERÍA Y  
CALIDAD, S.A.

ERHARDT SERIKAT

ESTUDIOS GIS, S.L.

EUSKALFORGING

FAGOR EDERLAN GROUP

FCC CONSTRUCCIÓN

FEDERACIÓN ESPAÑOLA DE  
ASOCIACIONES DE FUNDIDORES

FUTURE SPACE

GALLIZO

GESTAMP

GIROA - VEOLIA

GLOBAL FACTOR

GRUPO GORLAN

GRUPO GTM

GRUPO KEYTER

GRUPO TEKNEI

HEIDELBERG MATERIALS HISPANIA

IBARMIA

IBERDROLA, S.A.

IMQ, S.A.

INGETEAM, S.A.

INKOLAN

IRIZAR

ITP AERO

IZERTIS

KUTXABANK

LAN MOBEL

LEADING

LOINTEK

MATZ-ERREKA, S. COOP.

PARKLEX PRODEMA

PETRÓLEOS DEL NORTE, S.A.  
(PETRONOR)

SACYR, S.A.

SAPA PLACENCIA, S.L.

SENER

SIDENOR

SIEMENS GAMESA  
RENEWABLE ENERGY

SISTEPLANT, S.L.

SOLAR EARTH INNOVACIÓN Y  
TECNOLOGÍA SES, S.L.

TALGO

TECMAN, SERVICIOS DE  
VALOR AÑADIDO, S.L.

TRADEBE, S.A.

TSK ELECTRÓNICA Y  
ELECTRICIDAD, S.A.

TUBACEX, S.A.

ULMA ARCHITECTURAL  
SOLUTIONS

ULMA FORGED SOLUTIONS

VALORIZA SERVICIOS  
MEDIOAMBIENTALES

VELATIA, S.L.

VICINAY MARINE

VIUDA DE SAINZ, S.L.

ZIV

**HONORARY PATRONS**

BILBAO CITY COUNCIL

DONOSTIA-SAN SEBASTIÁN  
CITY COUNCIL

VITORIA - GASTEIZ  
CITY COUNCIL

ADEGI

CEBEK

SEA - EMPRESARIOS ALAVESES

UNIVERSITY OF THE  
BASQUE COUNTRY  
(EHU)



Technological partner  
for companies:

# Business engagement

Deeply rooted in the business community with strong institutional backing, TECNALIA has a solid foundation to become **your business driver**.

**Over 80 companies** take part in our Governing Bodies.

[tecnalia.com](http://tecnalia.com)

## Board of trustees

24

Companies

8

Institutional  
trustees

## Executive committee

11

Companies

1

Government

## Collaborating partners

70

Companies

3

City Councils

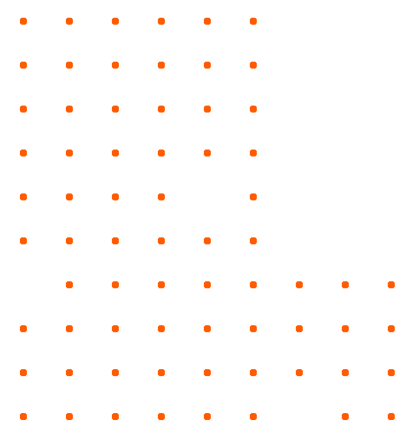
1

Universities

3

Business  
associations





**Creating  
Growth  
Improving  
Society**

