

# CORPORATE PRESENTATION 2025



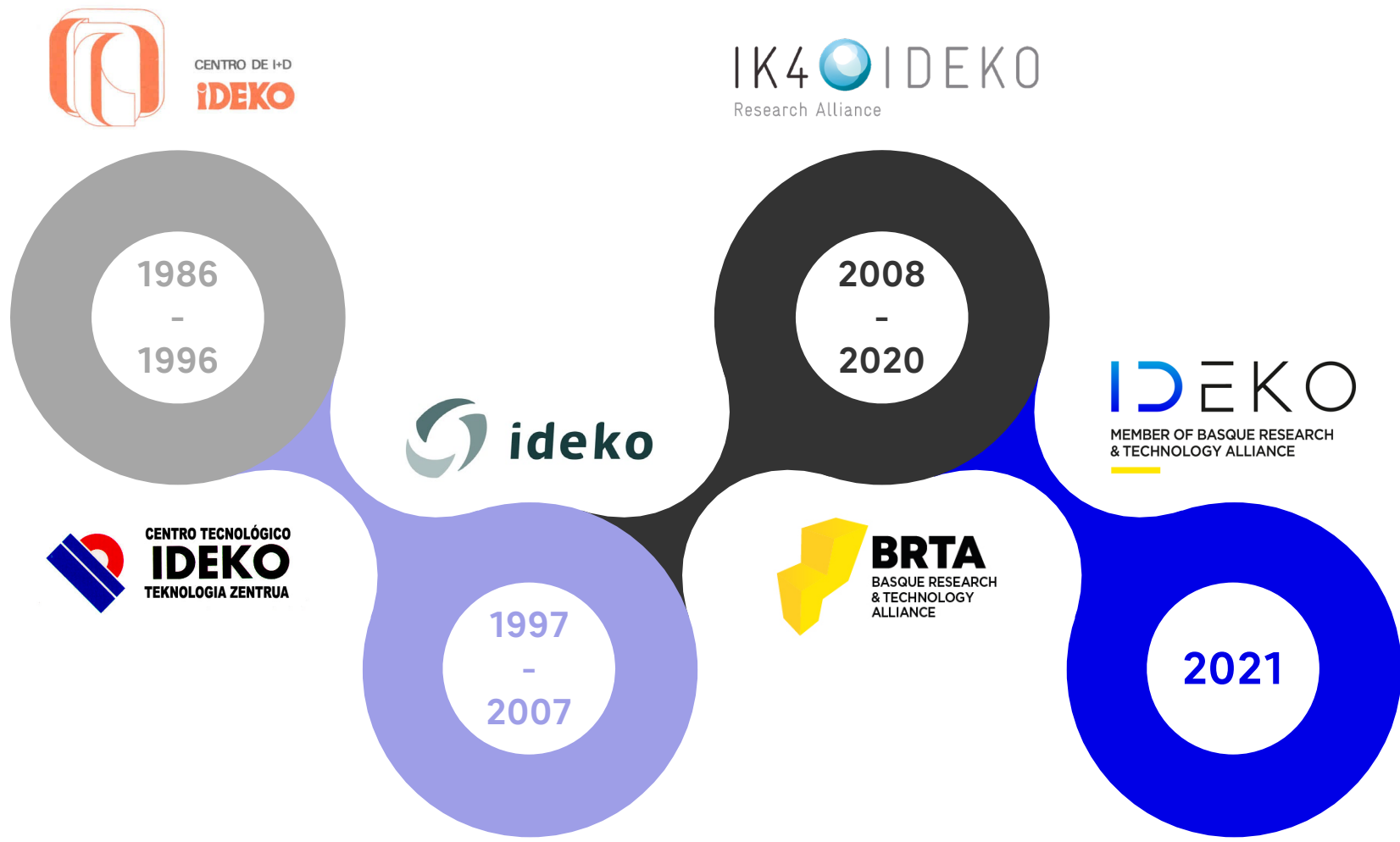
+ Manufacturing the future


IDEKO is a Research Center member of **BRTA**, specialized in **Advanced Manufacturing**, with special focus on precision machines and processes and Artificial Intelligence in manufacturing.



**WHO  
WE ARE**

# About us

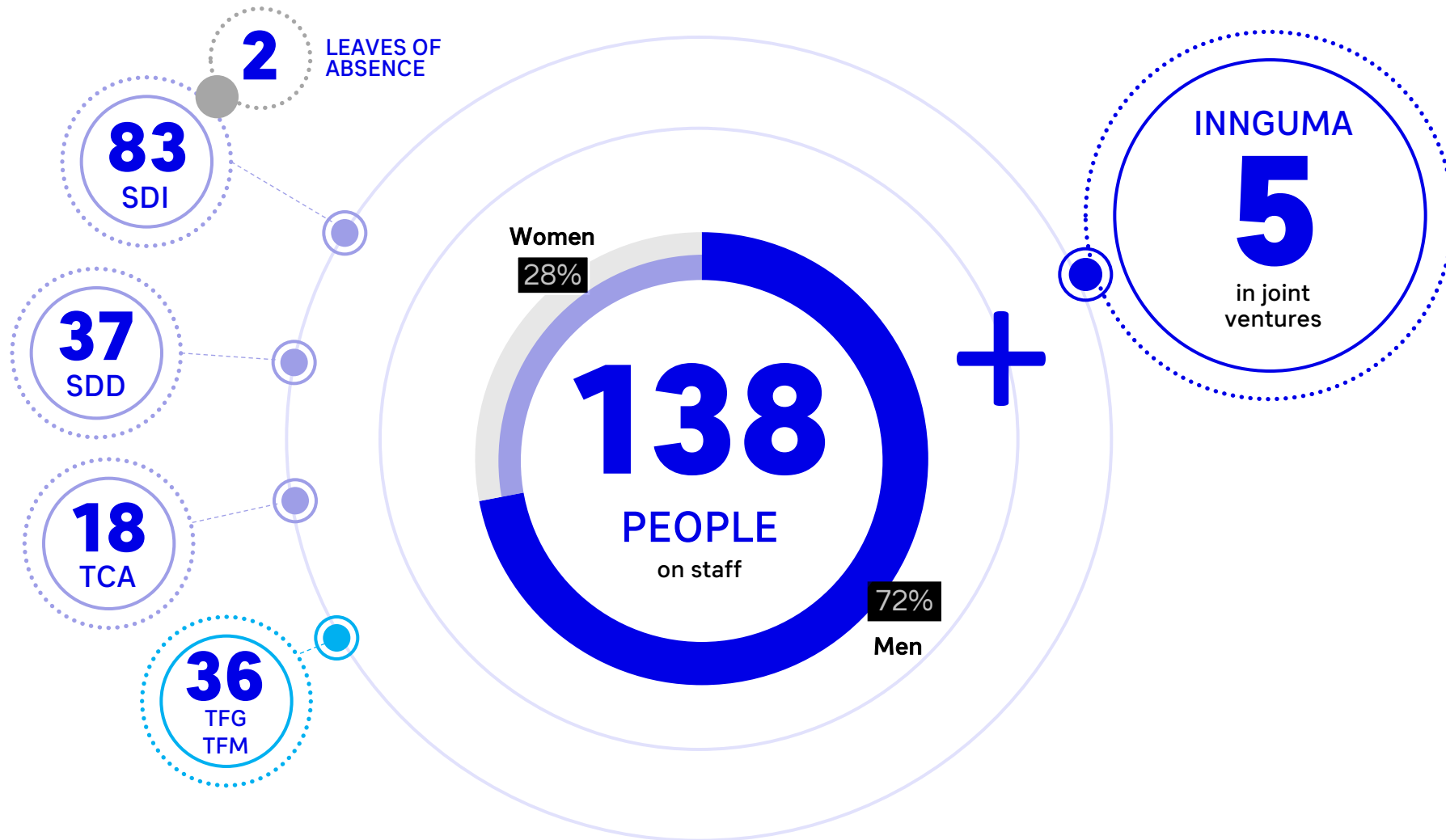




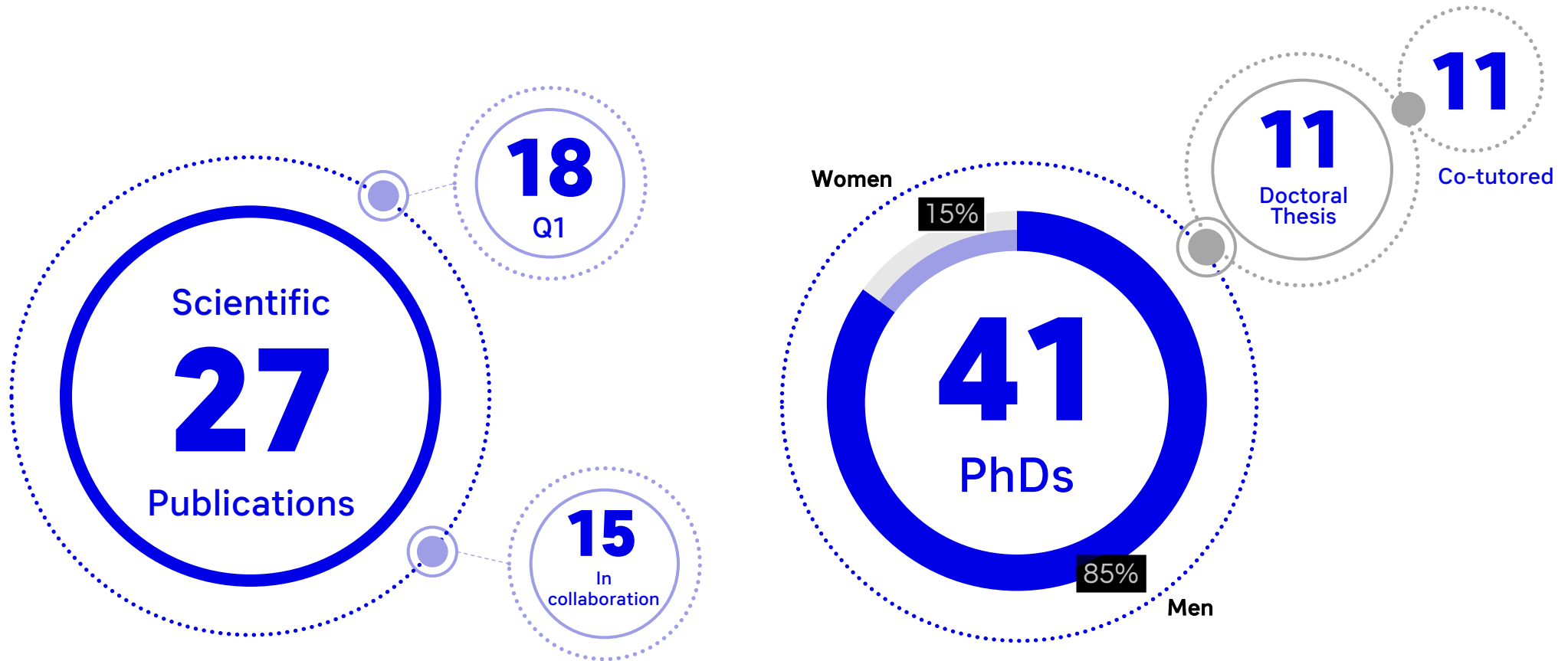
**Highly qualified** people to respond to the current and future needs of our clients in research, development and technology and knowledge transfer.

## OUR TEAM

# People in IDEKO 2025



# Technological Excellence in 2025



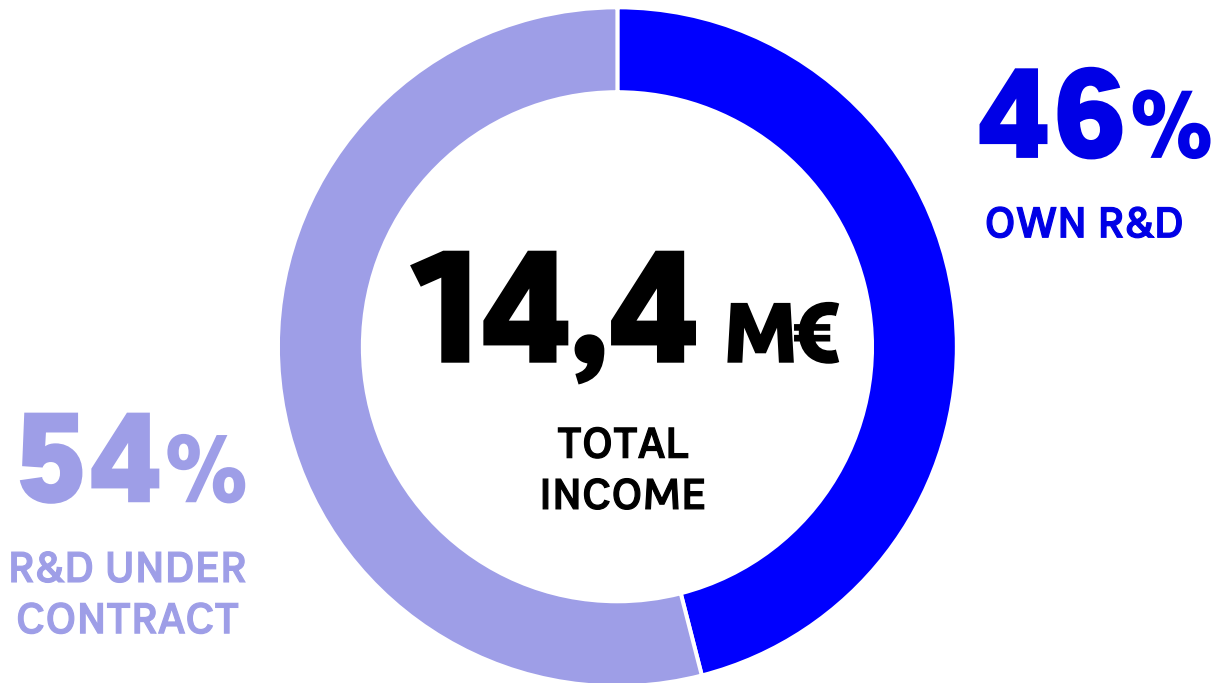
# R&D ACTIVITY

Our R&D activity is aimed at offering **innovative solutions** that contribute to the competitiveness of the industry.

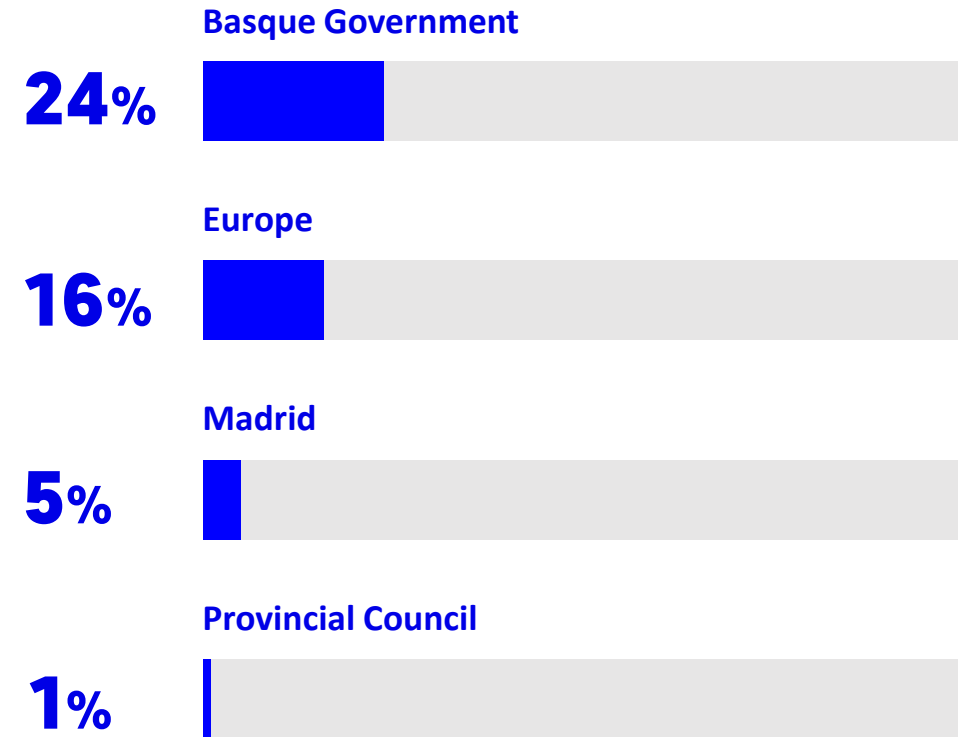


# Incomes in 2025

€ Source of income



## Distribution by region



**40**

 Years

**44**

 Patents

**>200**

 Technology Transfer Projects

**1**

 Startup

**20**

 Active European Projects

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 **innguma**  
intelligence for everyone



# ALLIANCES & COLLABORATIONS

# Alliances & Collaborations

**Aliance  
Network  
+ than 100  
R&D agents**



- CIRP  
EUSPEN  
ASPE
- FoF  
EFFRA  
EuRobotics  
BDVA
- ETP  
PPP  
JTI
- REGIONAL  
NATIONAL  
CLUSTERS
- MEMBERS OF THE  
MOST IMPORTANT  
SCIENTIFIC AND  
TECHNOLOGICAL  
MANUFACTURING  
FORUMS

## Specialization collaboration

**DYNAMICS  
AND  
CONTROL**



**ICT AND  
AUTOMATION**



**DESIGN AND  
PRECISION  
ENGINEERING**



**MANUFACTURING  
PROCESSES**



# Research and Technology

IN COOPERATION



BRTA is an alliance of 17 R&D centres and cooperative research centres. Through research and technology, we address the socio-economic challenges facing the Basque Country. We collaborate to generate knowledge and transfer it to Basque society and industry so as to make them more innovative and competitive.



4.687

PEOPLE



38%

PHD HOLDERS



405M€

R&D INCOME

58% Public Sector +  
42% Private Companies



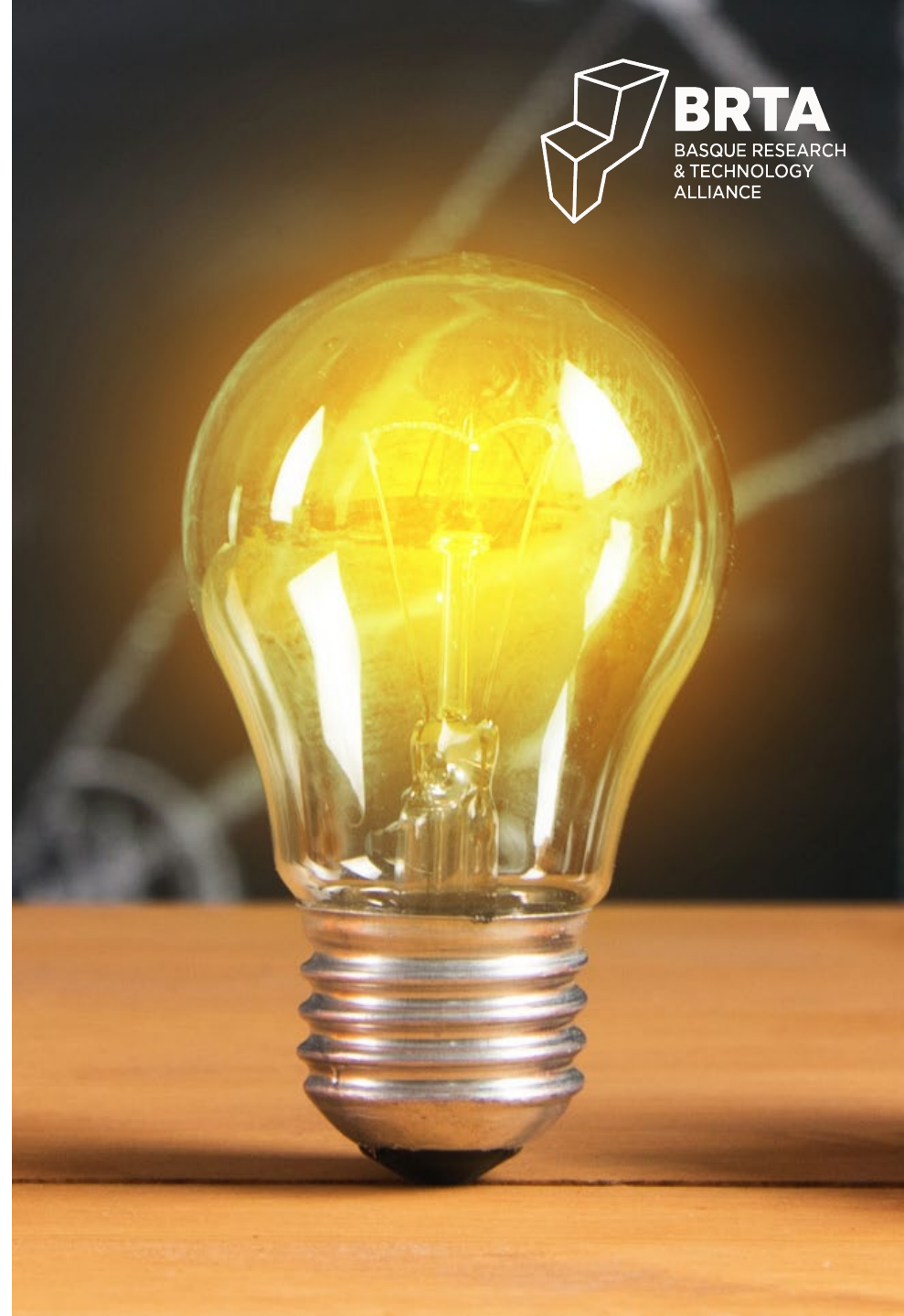
1.622

SCIENTIFIC  
PUBLICATIONS



149

PATENTS



# SPECIALIZATION

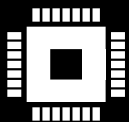
We have **multi-disciplinary team** to generate knowledge, develop solutions and transform them into value on the market. We accompany you **from the first research phases** to the implementation of results in innovations **for the market.**

DYNAMICS  
& CONTROL



MANUFACTURING  
PROCESSES

ICT &  
AUTOMATION



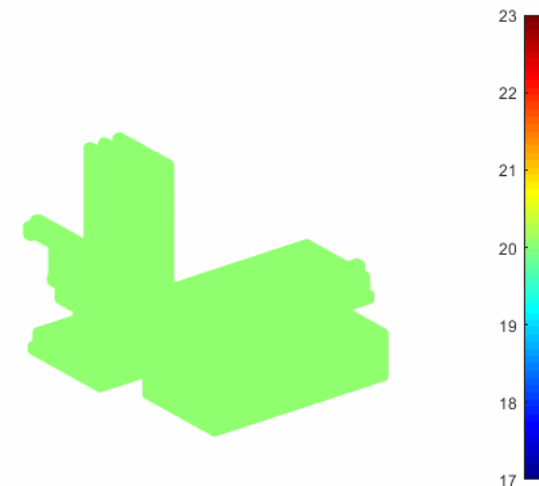
DESIGN & PRECISION  
ENGINEERING

SPECIALIZATION

# Design & Precision Engineering

This research group focuses on **high-performance product design and development** such as prototypes, mechanisms, structures, modelling and simulation of components. They develop measurement systems for precision and reliability with photogrammetry, laser, optics or contact sensors technologies.

They also carry out behavioural studies of precision of equipment, mainly in relation to thermal effects and geometrical errors. This task is performed through experimental observation of compensation on the machine, the development of high-dynamics precision systems and calibration equipment.



[MORE INFO](#) 

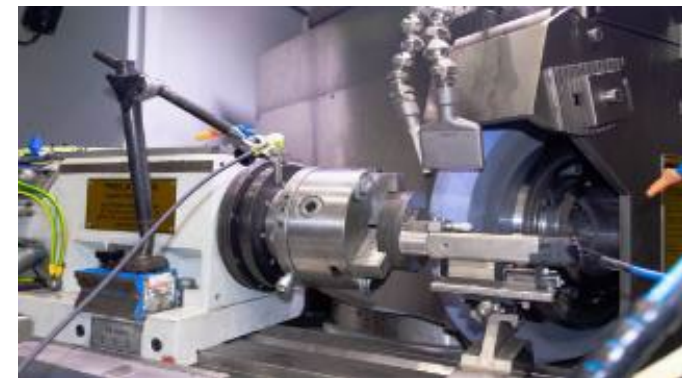
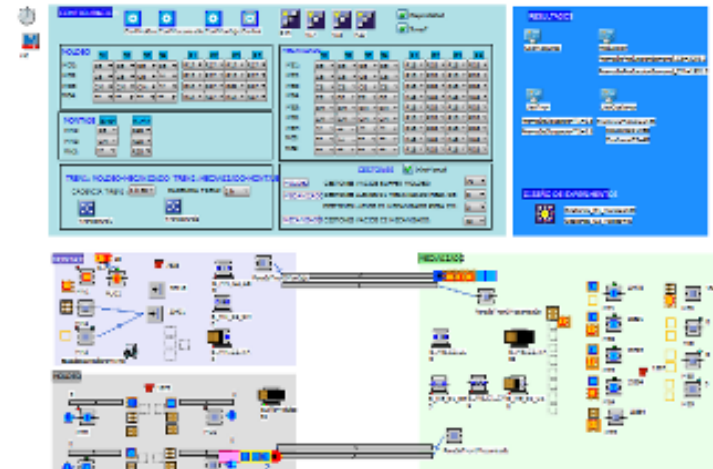
## SPECIALIZATION

# Manufacturing Processes

In order to **solve existing problems in industrial processes and increase efficiency and productivity of manufacturing processes**, it brings together the development of machining technologies by removal and abrasion, such as turning, grinding, milling, bending, drilling or laser together with the management and organization technologies of Industrial Production, such as simulation programs.

They incorporate **NDT technologies** for the inspection of parts and industrial processes with the aim of adding value and improving industrial production processes and ensuring the quality of the parts.

[MORE INFO](#) 



SPECIALIZATION

# Dynamics & Control

It develops technologies for the **characterization, modeling and design** of solutions to improve the **dynamic behavior of machines, mechatronic systems and machining processes.**

It has a recognized prestige in the international field of science and technology of the chatter in machining processes and machine dynamics.

[MORE INFO](#)



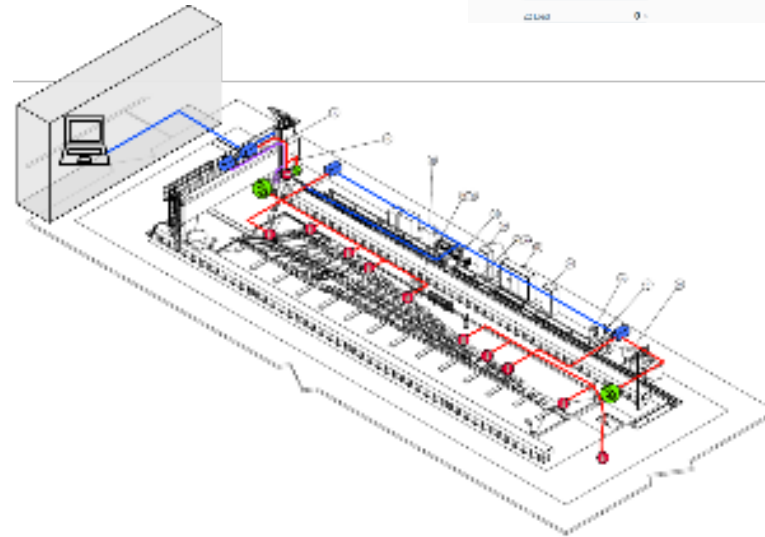
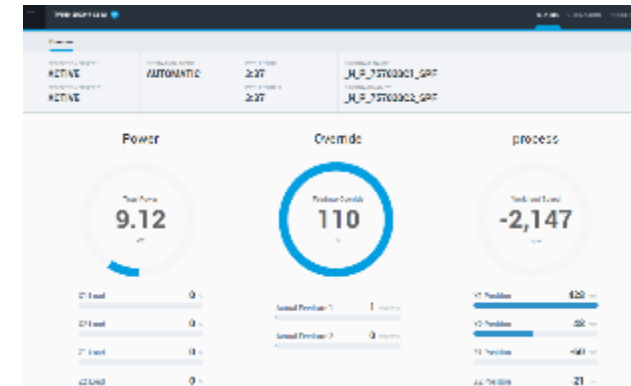
SPECIALIZATION

# ICT & Automation

They develop software applications and automation solutions to provide advanced capabilities to **manufacturers of machines and manufacturing lines.**

They research and develop state-of-the-art **ICT solutions** with applicability in advanced manufacturing technologies and industrial production.

MORE INFO 



# 6 Specialization Lines

## PRECISION MACHINES AND PROCESSES

Development of precision solutions addressing the entire value chain: from the measurement and verification of the quality of the machined part, working on the process and machine technologies.

1

## ARTIFICIAL INTELLIGENCE IN MANUFACTURING

Application of AI techniques to obtain data performance on quality.

2

## ACTIVE AND SMART COMPONENTS

Development of smart components that provide special functionalities, integrated into the machine or as accessory devices.

3

## SIMULATION - DIGITAL TWINS

Development of models that allow designing and optimizing a production process in all its different scales.

4

## PROCESS AND APPLICATIONS OF STRATEGIC PARTS

Development of innovative solutions to provide a competitive advantage in special parts offers.

5

## ROBOTICS

Collaborative application of robots with machines and operators, to provide them with special capabilities and functionalities and eliminate manual operations.

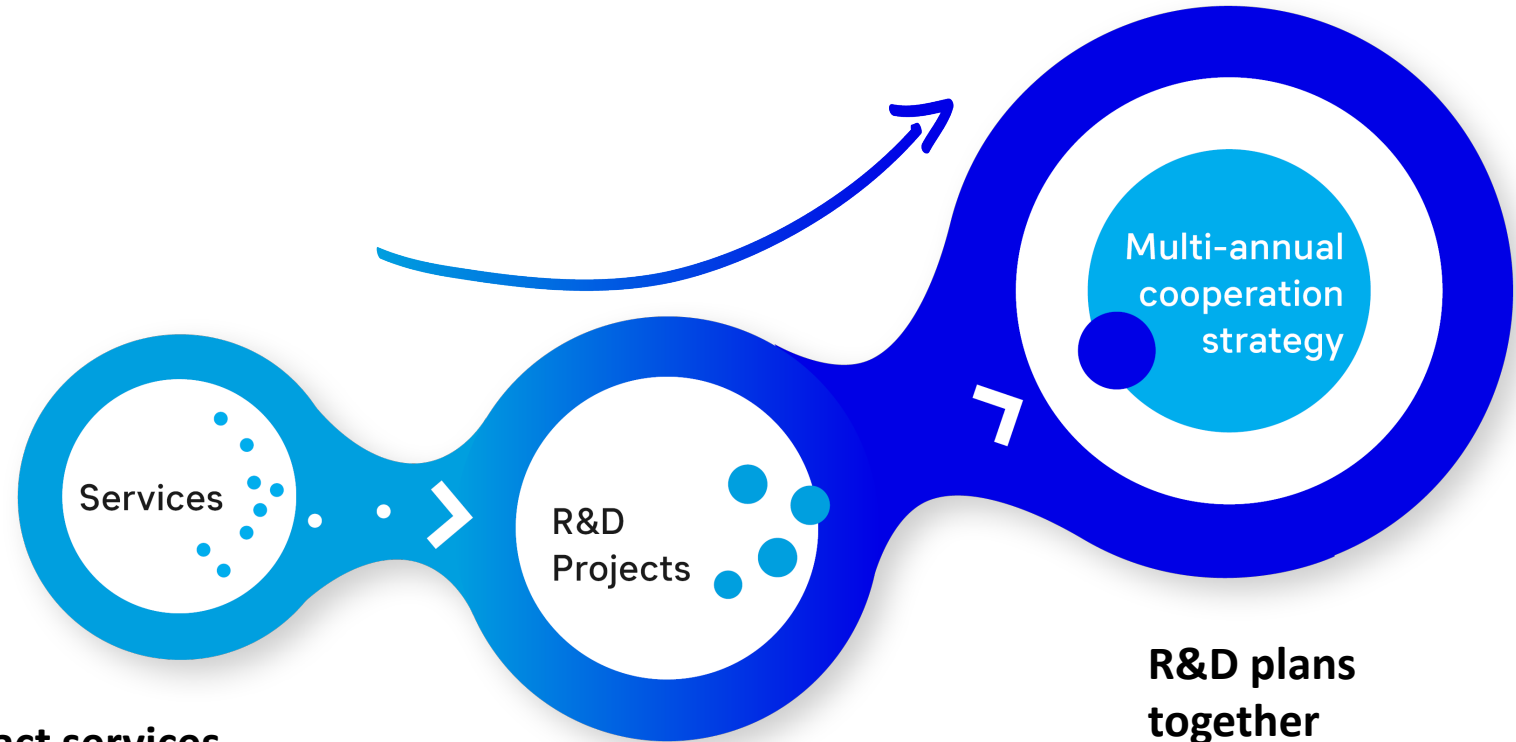
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# INNOVATION MANAGEMENT MODEL

# Technological Partner

We offer an **integral solution** for the needs of today and the future in advanced manufacturing.



## Contract services

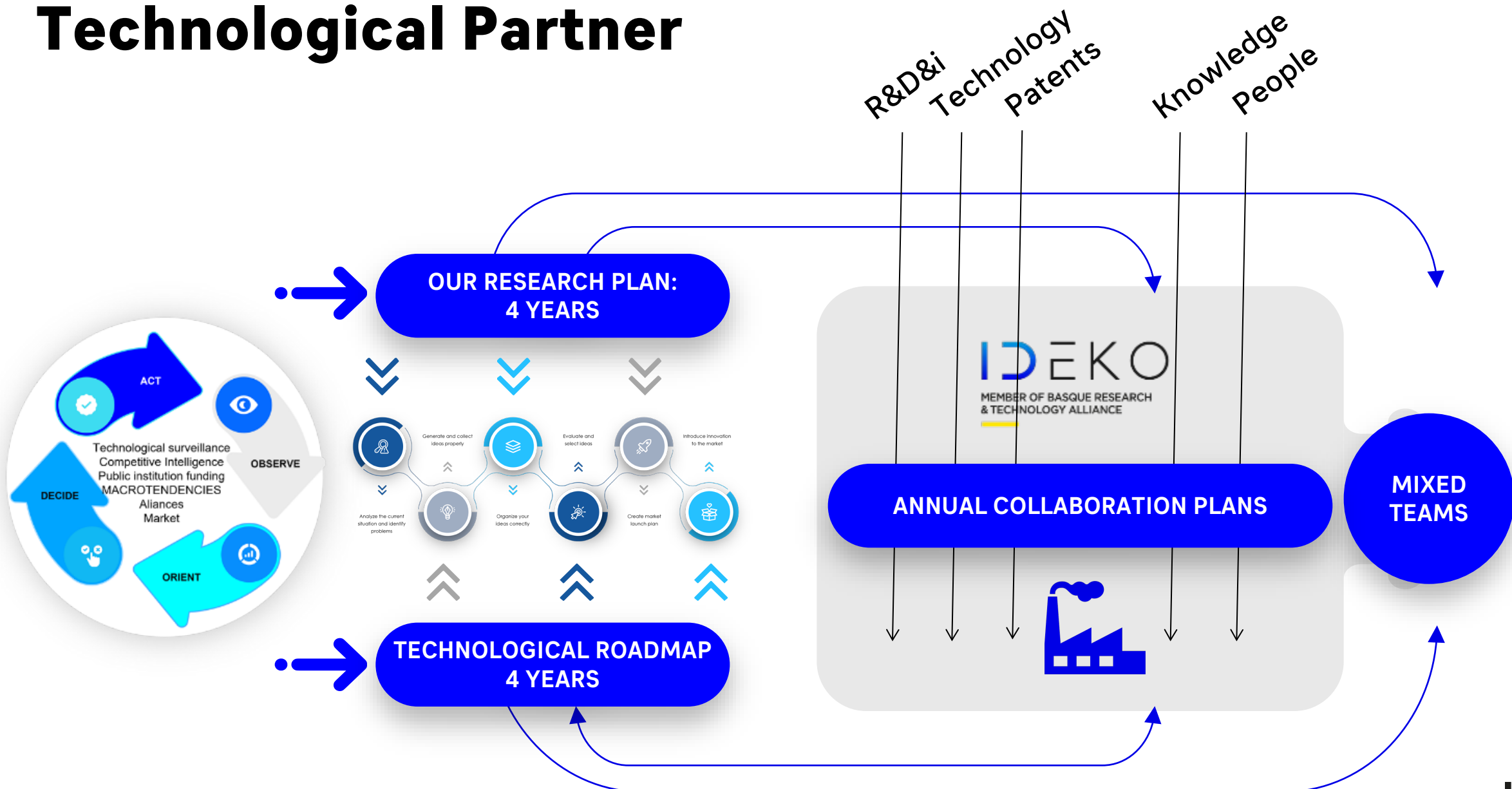
Resolution of vibration problems, modal analysis, FEM calculations and simulations, or the provision of advanced measuring, inspection and verification services.

## R&D projects

Knowledge and technology transfer.

## R&D plans together

# Technological Partner



# 82

companies  
have trusted  
IDEKO  
in 2025

>10.000€

# 56



FAGOR AUTOMATION



# FACILITIES



**DIGITAL GRINDING  
INNOVATION HUB**



**PRECISION  
ENGINEERING LAB.**



**RENISHAW  
SOLUTIONS CENTER**



**HIGH  
PERFORMANCE  
DYNAMICS LAB.**



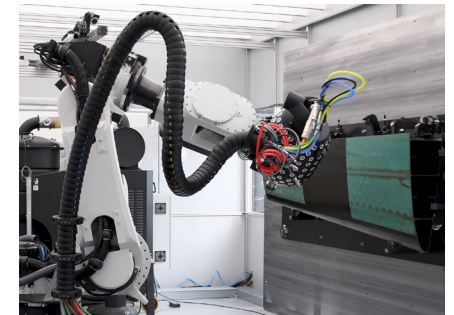
**COMPOSITES LAB.**



**LASER LAB.**



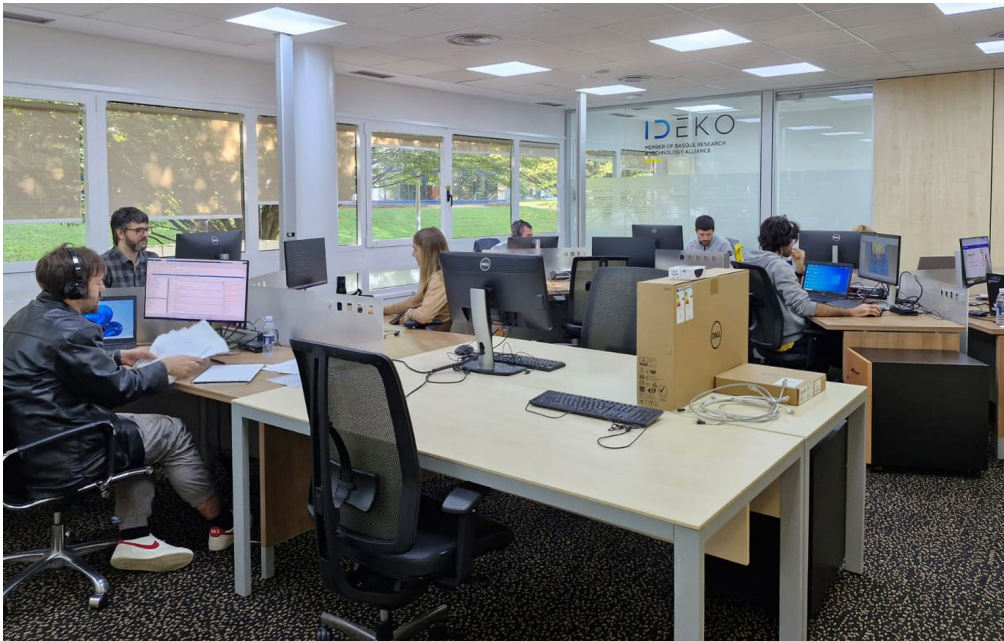
**NDT LAB.**



**ROBOTICS**

FACILITIES

# Multi-Localization



Donostia | Zuatzu Business Park



Zamudio | Technological Park



# IDEKO

MEMBER OF BASQUE RESEARCH  
& TECHNOLOGY ALLIANCE

+ Manufacturing the future

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+34 943 748 000

[ideko.es](http://ideko.es)



**CFAA**

Technological Park of  
Zamudio (Bizkaia)

**Zuatzu Business Park**

Donostia – San Sebastián  
(Gipuzkoa)

