

**CORPORATE
PRESENTATION 2025**

IDEKO

**MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE**

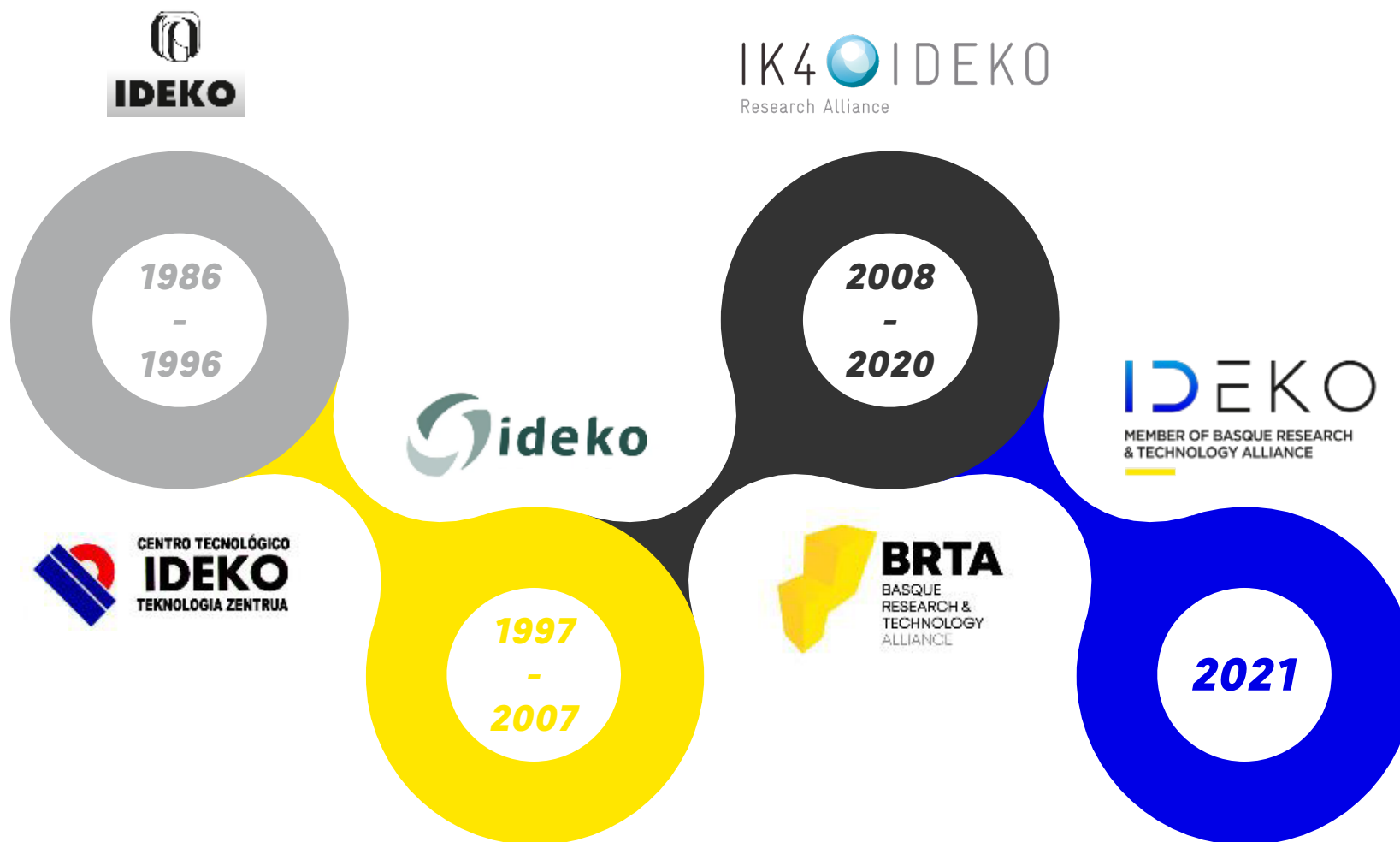



IDEKO is a Research Center
member of **BRTA**, specialized
in **Advanced Manufacturing**,
with special focus on precision
machines and processes and
Artificial Intelligence in
manufacturing.



**WHO
WE ARE**

About Us



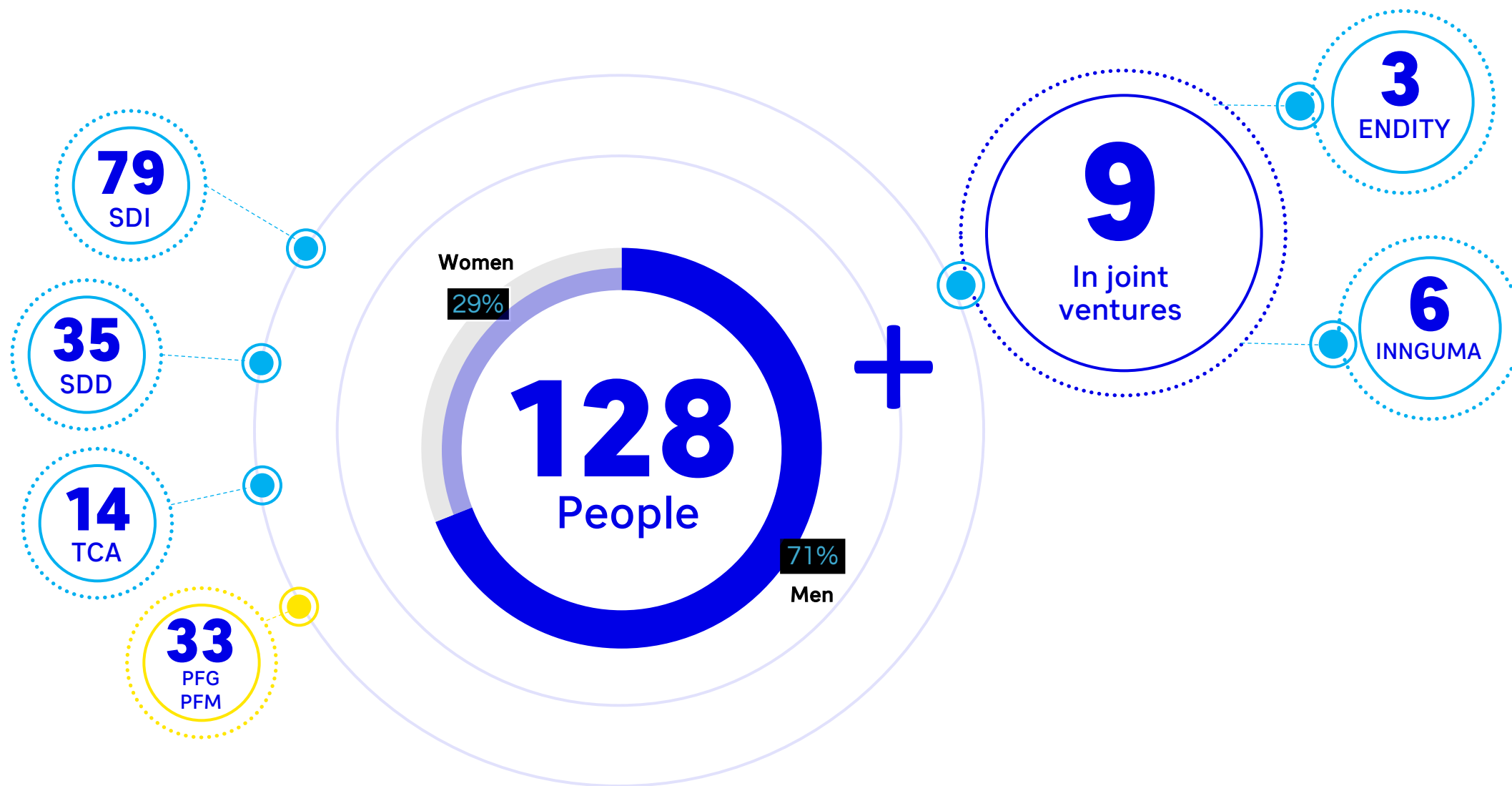


Highly qualified people to respond to the current and future needs of our clients in research, development and technology and knowledge transfer.

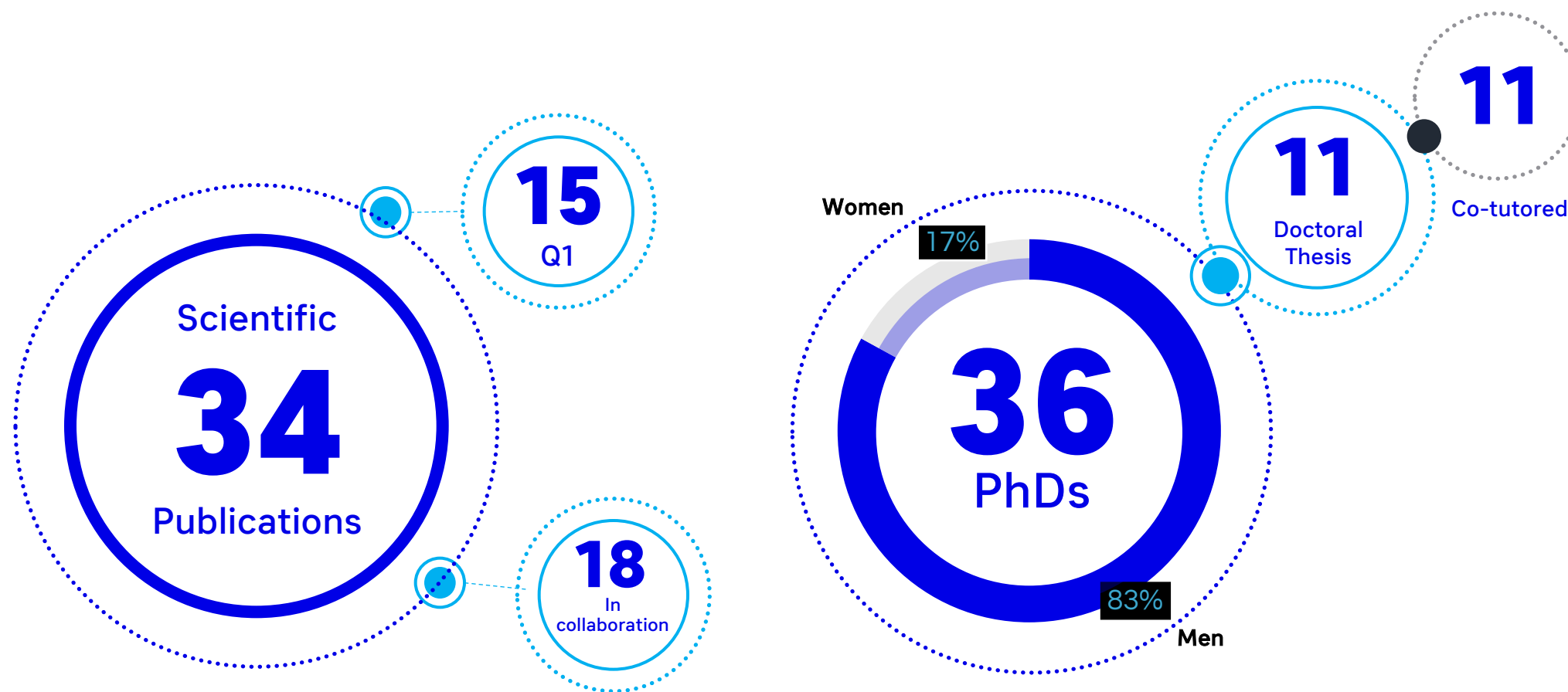


OUR TEAM

People in IDEKO 2024



Technological Excellence



R&D ACTIVITY

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



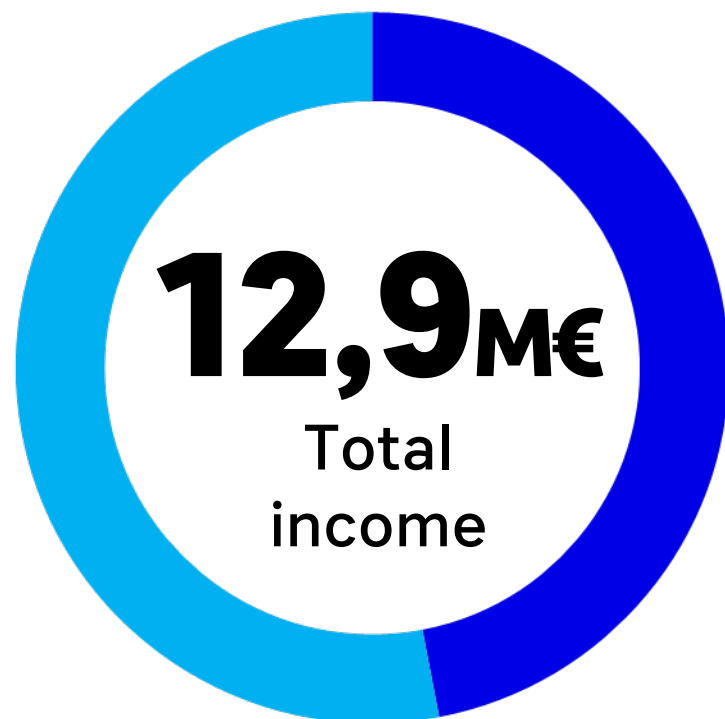
Incomes 2024



Source of
income

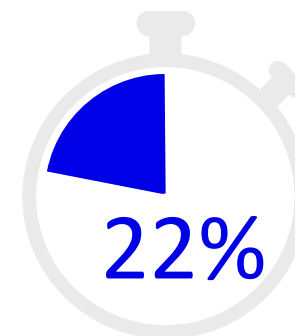
56%

R&D UNDER
CONTRACT

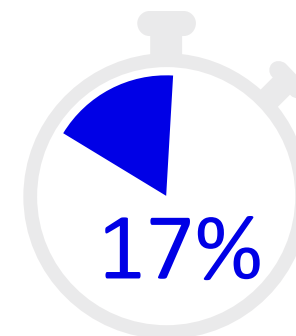


44%

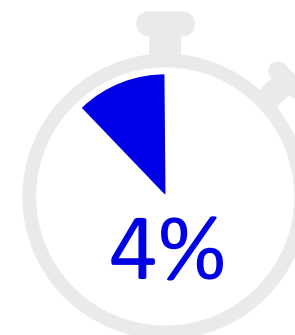
OWN R&D



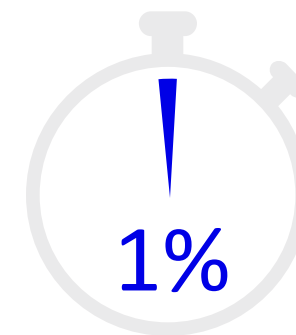
Basque
Government



Europe



Madrid



Provincial
Council

39

Years

2

Startups

endity 

 **innguma**
intelligence for everyone

>200

Technology Transfer Projects

42

Patents

>35

Years coordinating
European Projects

17

Active EU
projects



ALLIANCES & COLABORATIONS



Alliances & Collaborations

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



Specialization Collaboration



Alliance Members



tecnal:a
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& TECHNOLOGY ALLIANCE

ikerlan
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& TECHNOLOGY ALLIANCE

Tekniker
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& TECHNOLOGY ALLIANCE

CICbioGUNE
MEMBER OF BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

ceit
MEMBER OF
BASQUE RESEARCH
& TECHNOLOGY ALLIANCE

vicomtech
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CICbiomaGUNE
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cidetec
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IDEKO
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Gaiker
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LORTEK
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CIC nanogUNE
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AZTERLAN
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Leartiker
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AZTI
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NEIKER
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araba álava
foru aldundia diputación foral

Bizkaia
foru aldundia
diputación foral

Gipuzkoa
Foru Aldundia
Diputación Foral de Gipuzkoa

GRUPO spri
TALDEA

EUSKO JAURELARITZA
GOBIERNO VASCO



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info@brta.eus

www.brta.eus

4.372
People

37%
PhDs

1.556
Scientific
Publications

137
Patents

367 M€
Total incomes:
58% Public
Administration +
42% Private
Contract

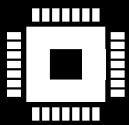
We have **multi-disciplinary team** to generate knowledge, develop solutions and transform them into value on the market. We accompany you **from the first research phases** to the implementation of results in innovations **for the market**.

DYNAMICS &
CONTROL



MANUFACTURING
PROCESSES

ICT &
AUTOMATION



DESIGN &
PRECISION
ENGINEERING



SPECIALIZATION

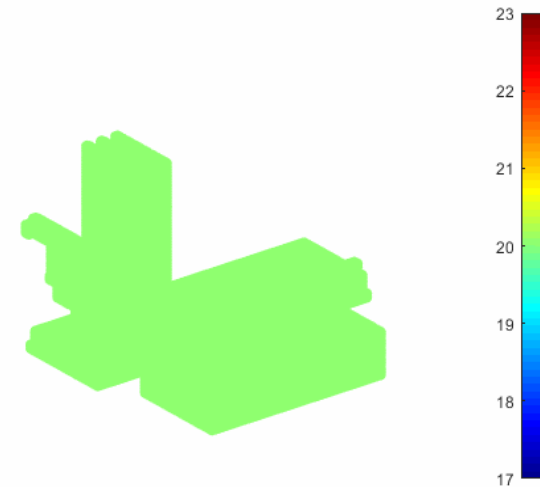


SPECIALIZATION

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 

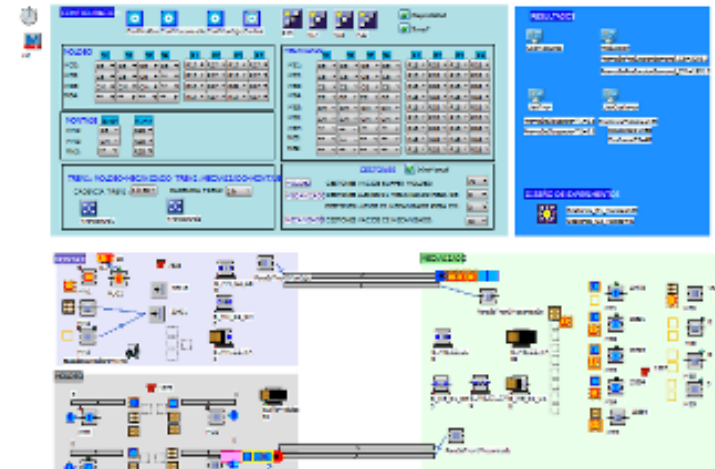
SPECIALIZATION

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

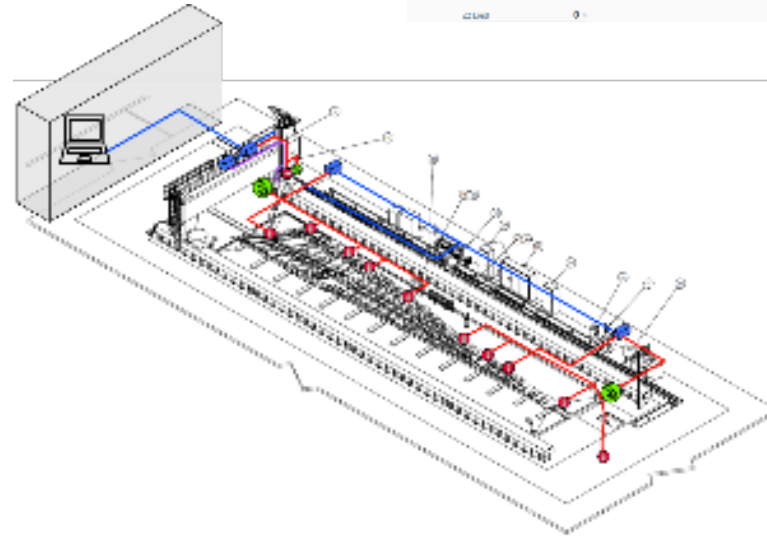


SPECIALIZATION

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.

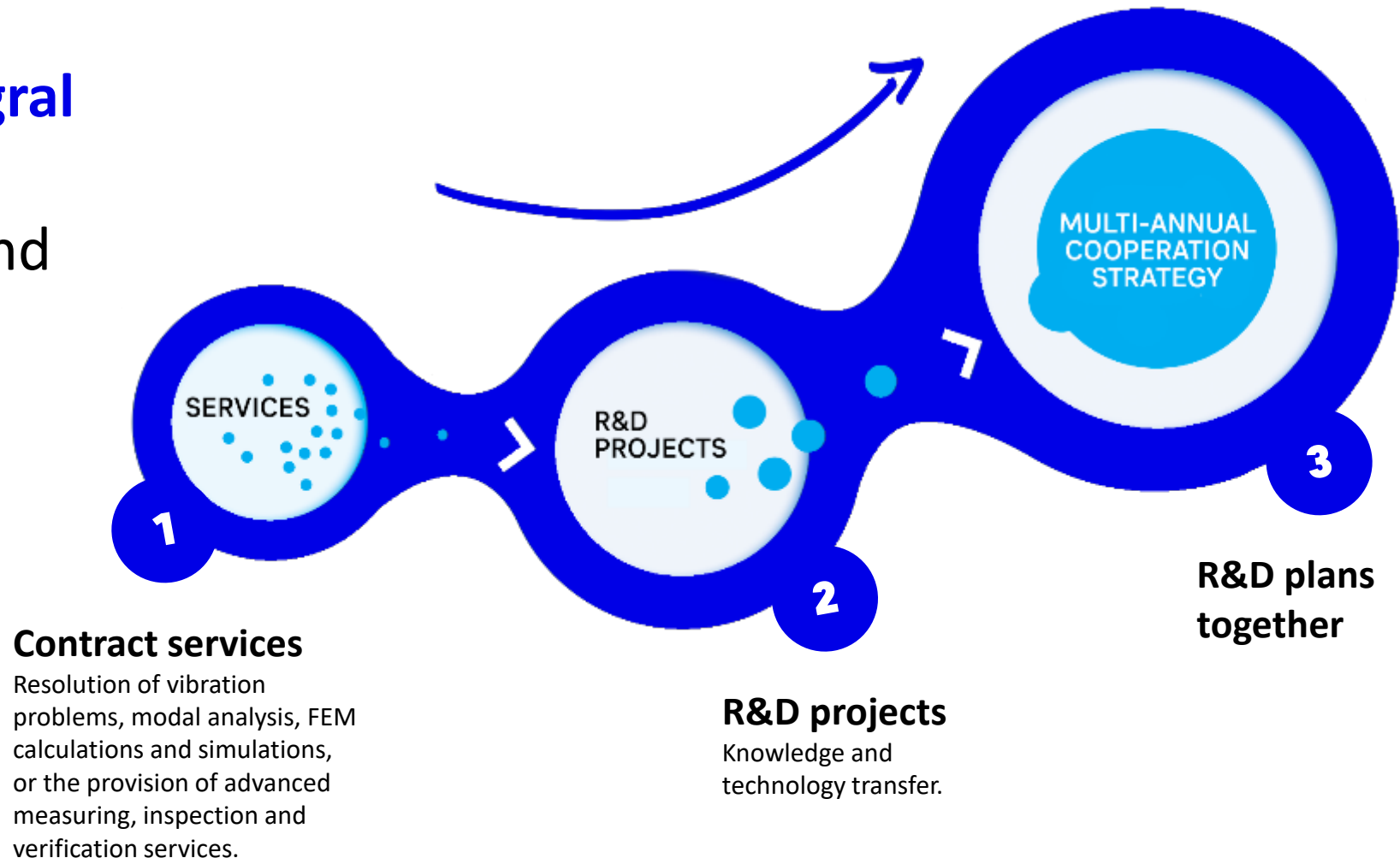
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INNOVATION MANAGEMENT MODEL

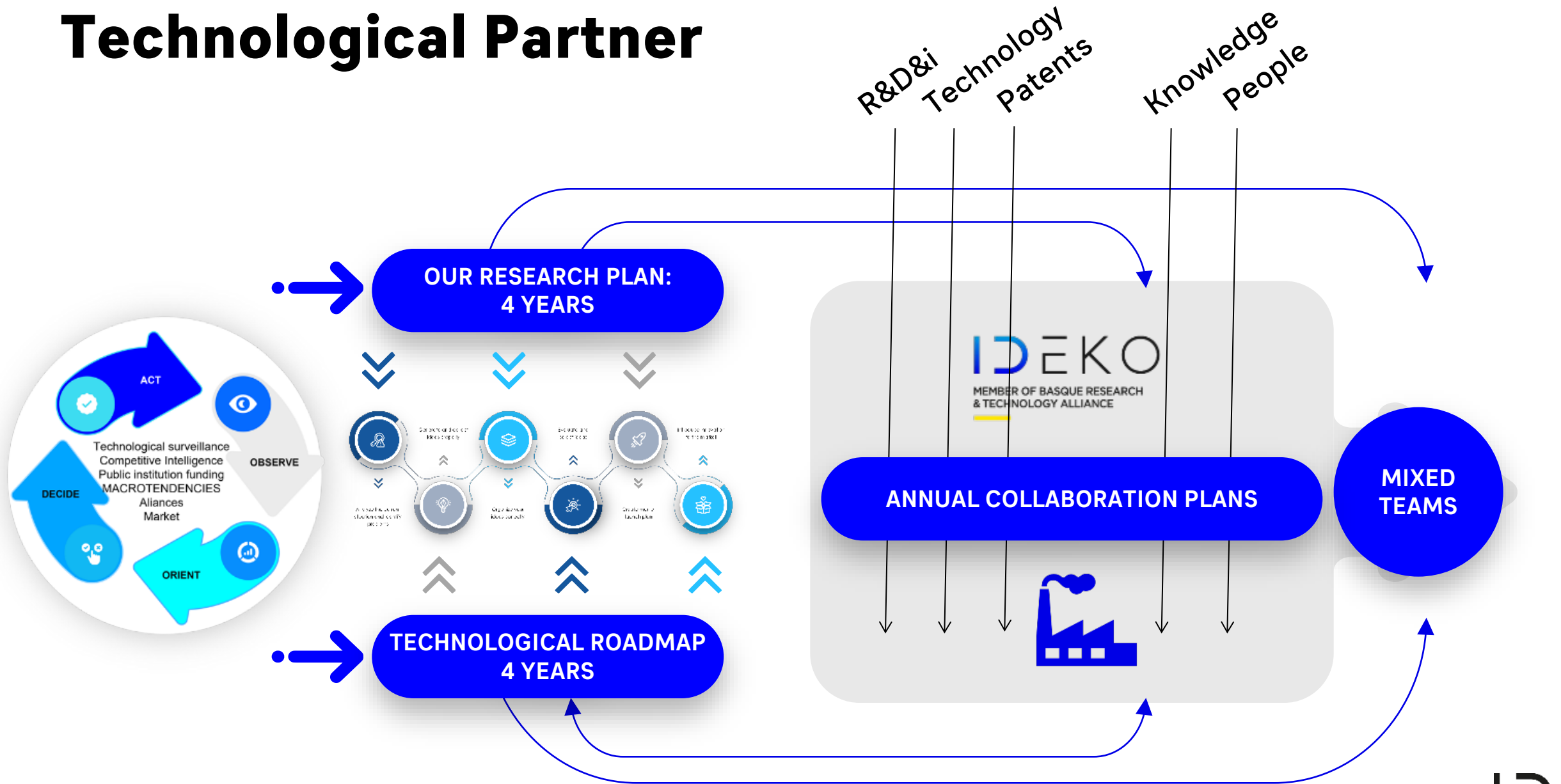


Technological Partner

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



Technological Partner



64

companies
have trusted
IDEKO

>10.000€

50



FACILITIES



**DIGITAL GRINDING
INNOVATION HUB**



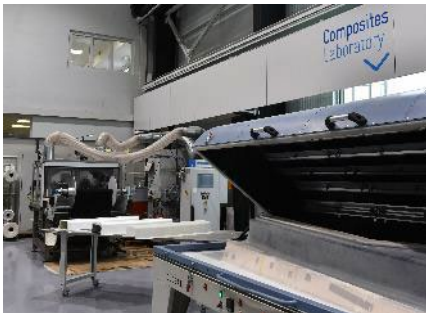
**PRECISION
ENGINEERING LAB.**



**RENISHAW
SOLUTIONS CENTER**



**HIGH
PERFORMANCE
DYNAMICS LAB.**



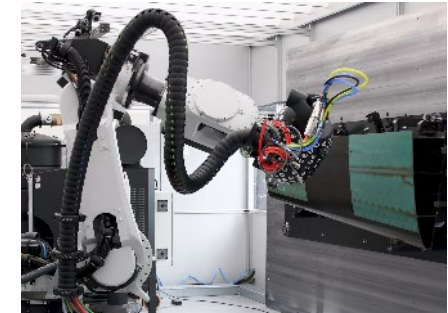
COMPOSITES LAB.



LASER LAB.



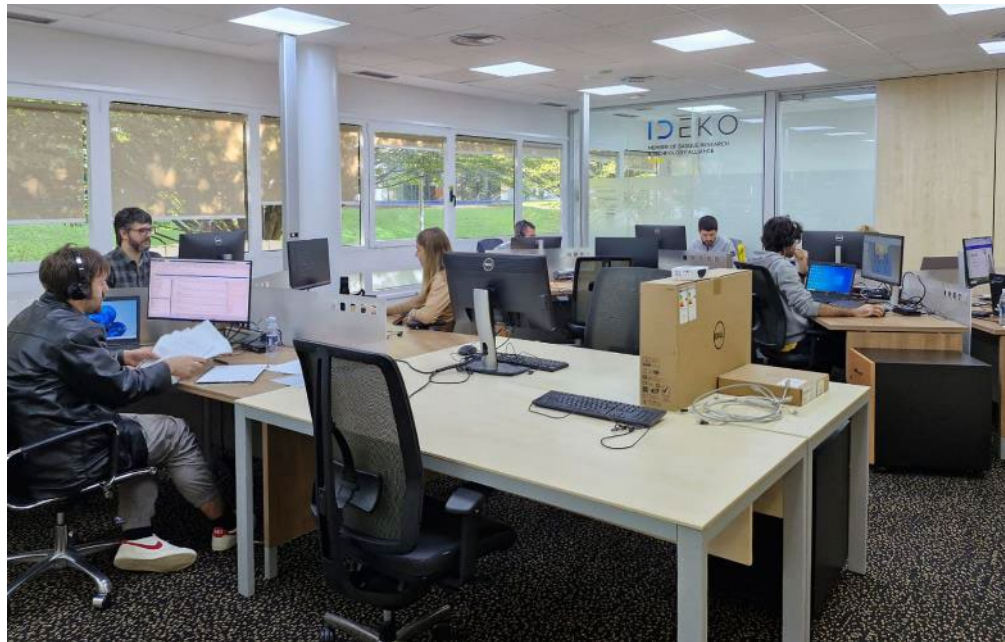
NDT LAB.



ROBOTICS

FACILITIES

Multi-localization



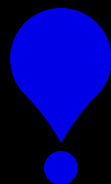
Donostia | Zuatzu Business Park



Zamudio | Technological Park

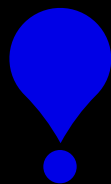


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ZAMUDIO

CFAA
Technological Park of
Zamudio (Bizkaia)

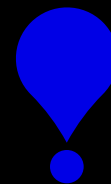


ELGOIBAR

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+34 943 748 000

ideko.es



DONOSTIA

Zuatzu Business Park
Donostia – San Sebastián
(Gipuzkoa)