

tecnalia

Corporación Tecnológica

te+c **Telecom** Aerospace Agricultural
innovation Automotive Construction Energy
Environment & natural resources Foodstuffs
Foundry Healthcare & quality of life Industrial
systems Information society Infotech Innovation
systems Iron & steel Marine innovation Software
Urban & industrial environment



tecnalia

TECNALIA is a private, independent Technology Corporation, an international benchmark in its field, whose **innovative operating model based on sectorial Business Units** generates ground-breaking Innovation in order to be the best "accelerator" for your company in its strategic R+D+i activities.

TECNALIA is also a **global Corporation, open to the world** to acquire knowledge, ideas, trends, talent and resources, while accompanying its partners and clients with their international projects.

TECNALIA is more than just an idea. It stands for a commitment to progress and well-being for all, **generating value through scientific and technological research.**

TECNALIA is present in the European R+D policy decision making centres:

- Member of the **Joint Institute for Innovation Policy** (with TNO, VTT and Joanneun Research)
- Member of the Executive Committee of **EARTO** (European Association of the Leading EU R&D organisations)
- Member of **EUROTECH** (a select group of the most important organisations in EARTO)

* **TECNALIA Technology Corporation** is made up of the following Technology Centres: Azti, Cidemco, European Software Institute (ESI), Fatronik, Inasmet, Labein, Neiker and Robotiker.

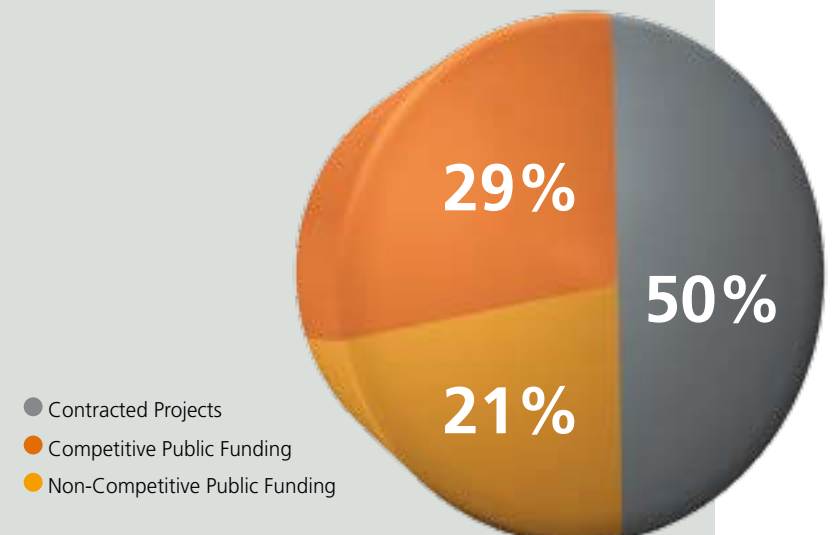
TECNALIA in Figures:

130 millions
Euros
INCOME 2008

1,500
STAFF MEMBERS

3,600
CLIENTS

77 PROJECTS
approved for the 7th FP
(Leading 11)



- Contracted Projects
- Competitive Public Funding
- Non-Competitive Public Funding



telecom

TELECOM is the specialist unit of **TECNALIA** in the development of technology for future networks. Its work is aimed at the specific R&D needs of the Telecom Sector, supporting government and public bodies and transferring value to the society with innovation and technology.



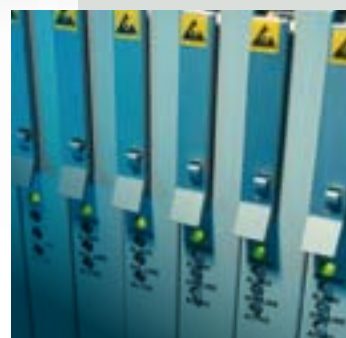
Improve the Telecom Sector own R&D

The qualified group of experts of **TECNALIA-Telecom** provides a powerful workforce for a true cooperation with customers, usually by means of joint working teams. This is the best way to perform the technology transfer service, to convert theoretical ideas into valuable and useful solutions and to guarantee an optimal Time-To-Market, minimising at the same time the risk for the customer in the early stages of the development of a new telecommunication innovation. This specific knowledge is also transferred successfully to firms in other activity sectors of industry, that demand advanced wired or wireless connectivity for their products.



Support of the Administration ICT Policies

TECNALIA-Telecom contributes actively to Sustainable Development of the Society, being an expert and independent source of advice to governments and public bodies for ICT and ICT-related R&D policies. This helps in identifying innovation opportunities, promoting SMEs development and contributing to the Information Society through Technological Innovation.



Innovation and Technology Transfer with IPRs

The "**Powered by tecnalia**" Programme provides the business community with the applied research results from the different Programmes in which the **TECNALIA-Telecom** Unit participates. It is the ideal solution for new product innovation. The Programme is a set of R+D Assets and Industrial and Intellectual Property Rights, such as platforms, utilities, reference models and designs that can be used by organisations to enhance their innovation capacity.

The R&D Partner in Telecommunications for the Future Internet Society

Research Fields

The high degree of specialization and focus in key research areas enables the Unit to respond efficiently to the demands of the Telecom Sector, in terms of capacity and velocity, competence, critical mass, qualified professionals, equipment and anticipation to technological changes.

Broadband Networks:



The continuous transformation of current broadband networks requires to address key innovations to satisfy the communications needs of the modern society. The knowledge is concentrated on access and metropolitan domains. This Area is divided into two Research Groups:

- Technologies for Future Networks.
- Photonics.

Towards unlimited and ubiquitous connectivity

Wireless Systems:



Building the future connected world requires the knowledge of fields such as Ad-Hoc and Wireless Sensor Networks, M2M, or self configuring networks and devices, emphasizing their applications for Smart Environments. This Area is divided into three Research Groups:

- Home Systems & Audiovisual.
- Vehicle Telematics.
- Wireless Object Networks & M2M.

Pervasive connectivity for Intelligent Environments

Service Platforms:



Innovation is moving towards a unified model for exploitation and services over different networks, with the convergence of fixed-mobile networks and the unification of service provision platforms. This new Area is developing two Research Groups:

- Mobile People-centric service platforms.
- Professional Communication Service Platforms & TETRA.

Value for people-centric communications



ZAMUDIO

Parque Tecnológico de Bizkaia
Edificio 202
E-48170 Zamudio - Bizkaia
Tel.: +34 94 600 22 66
Fax: +34 94 600 22 99

MADRID

C/ Basílica, nº 19, 6º B
E-28020 Madrid
Tel.: +34 91 598 13 20
Fax: +34 91 598 13 21

www.tecnalia.es/telecom