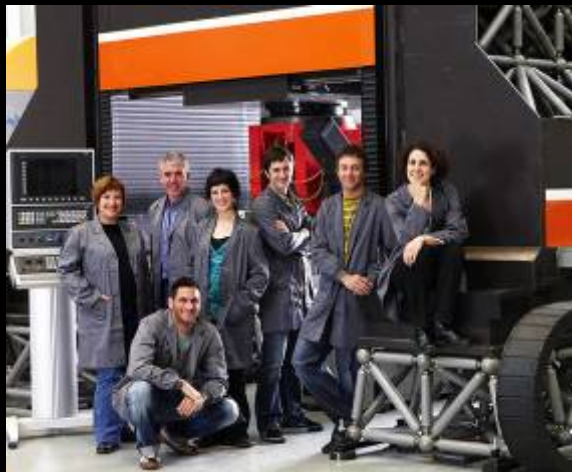


# The Metalworking Industry in the Basque Country - a receipt for success



Iñaki SAN SEBASTIÁN  
Director General Tecnología y Mercados de TECNALIA  
Director General de FATRONIK-Tecnalia

## Who we are

We are a private, independent Technological Corporation made up of the following Technological Centres: AZTI, CIDEMCO, ESI, FATRONIK, INASMET, LABEIN, NEIKER and ROBOTIKER

## Our mission

To provide value and wealth to society as a whole and to the industrial companies in particular, through Research and Innovation in an international context.

## Our figures

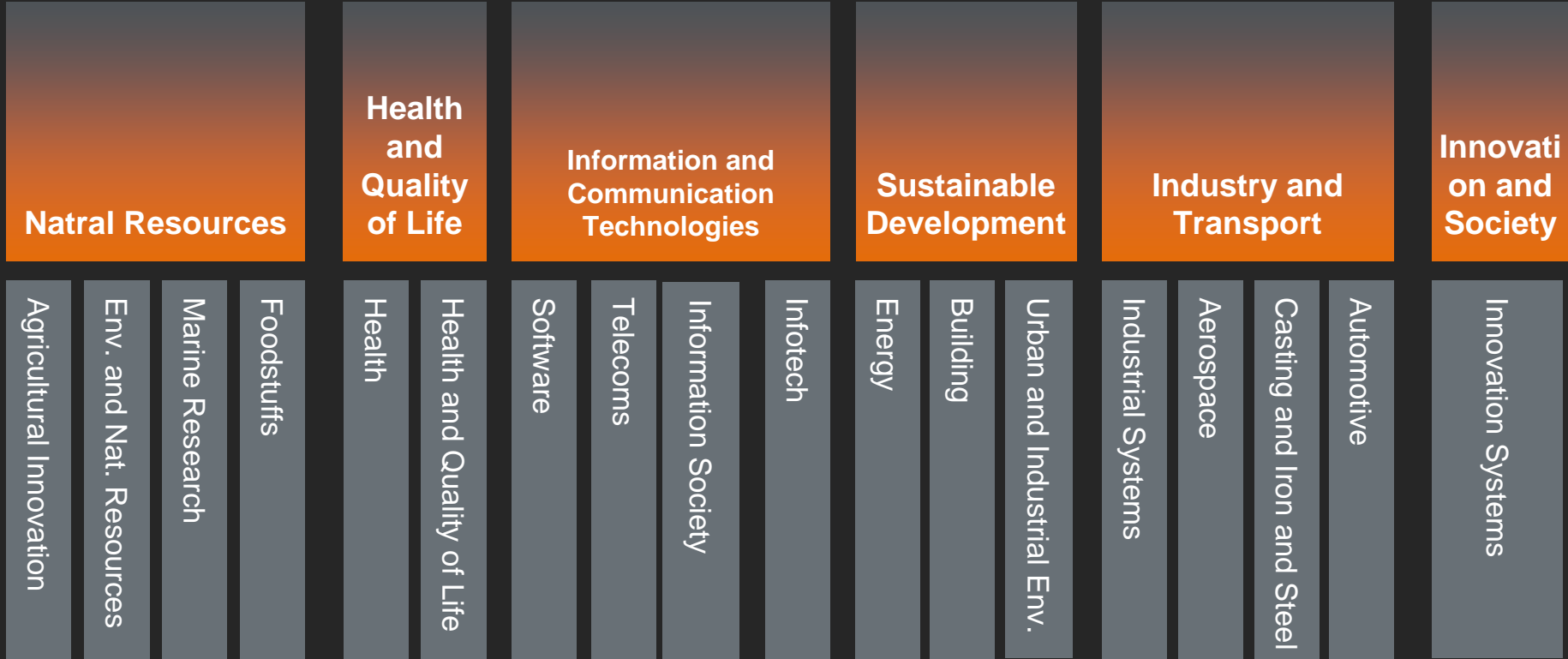
**1,636** Members of staff

**141.5** Million Euros turnover

**64%** of Technological Centres in the Basque Country

**25%** of Technological Centres in Spain

# An Innovative Model based on Business Units



T R A N S V E R S A L I T Y

# The perspective of the R&D centres and their contribution to the metal-working industry

Most R&D centres created at the end of the 80's by **associations of industrial companies**

(e.g. FATRONIK-Tecnalia, created by a group of machine-tool builders to strengthen their technological capability)

**Clusters policy** also in place, with a strong contribution from R&D centres to their technological strategies

One of the strengths of the Basque metal-working sector, highlighted in the competitiveness study for the EU MMA industries ("the Report"): the **strong network of technology centres, close to the industry**

The Innovation Driver guiding the activity of the technology centres: **VALUE** of the research in terms of **ECONOMIC IMPACT.**



# Best Practices at the Basque Country

Clusters' strategies, basque government support and technology centres network contributing to spread the "Innovation Culture"

Sustained investment in R&D, both by the public and the private side (companies and R&D centres), oriented to Innovation at industry

Workforce development by diverse and complementary means: university, profesional training, transfer from research

Support by the technology centres to industrial R&D and to build international technology related networks



# Possible replications at European level



EU MMA sector (and naturally, the Basque MMA sector) must address the high technology market. This would need:

- Heavy investment in R&D focused on innovation, i.e. new product features made possible by high tech.
- Public support and private commitment to the participation in R&D and workforce capacity development, setting up regional innovation strategies.
- Internationalisation of the companies and all the rest of stakeholders, including research and technology organisations.

**A success story in the  
European manufacturing  
research arena**

Continuous participation in EU research, since Framework Programme II (1989), assuming increasing responsibility in the projects.

Participation at the **MANUFUTURE European Technology Platform**

Promoter of the **Manufuture JTI** related task force that led to the currently running “Factories of the Future” (FoF) public-private partnership initiative

Main promotion and coordination of the **Spanish Manufuture Technology Platform**

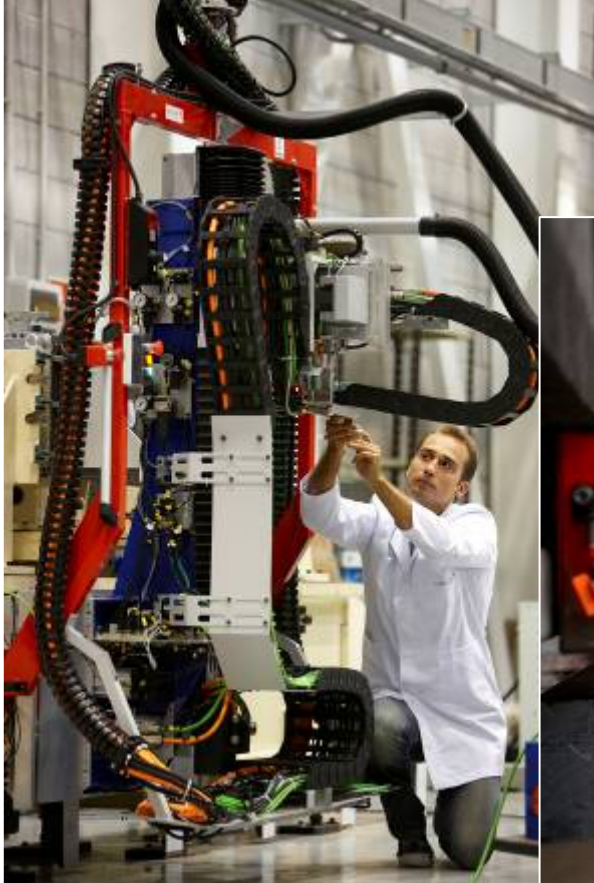
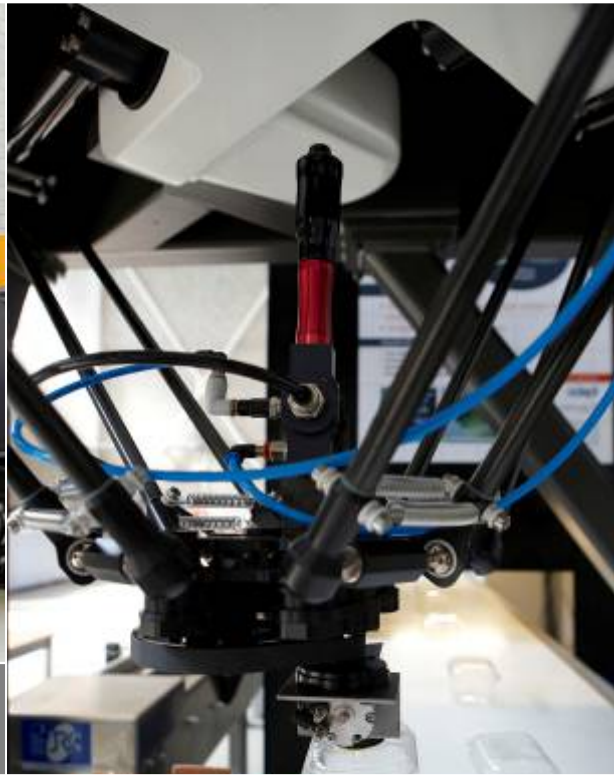
Chairing the **EFFRA** (European factories of the future research association) industrial research advisory-group

Co-chairing with DG Research representatives the **ad-hoc industrial advisory group for the FoF initiative**

Coordinating the task force in charge of the definition and elaboration of the **FoF Multi-annual roadmap**

Supporting N.Correa's CEO and CECIMO in the technological aspects of the **European KETs** (key enabling technologies), specifically the advanced manufacturing technologies

**The essence  
of the Basque Metlworking  
Industry:  
From efficiency to Innovation**



Thank you for your attention

