

TECNALIA



TECNALIA is the first applied research center in Spain and one of the most important in Europe with around **1.300 people on staff**, **100€ millions** turnover and more than **4.000 clients**.

**A unique commitment,
an opportunity,
a challenge.**



. HISTORY

TECNALIA was constituted in the year 2010. TECNALIA incorporated organizations with a long history, knowledge and curriculum. We were 8 technology centers. Now we are one.



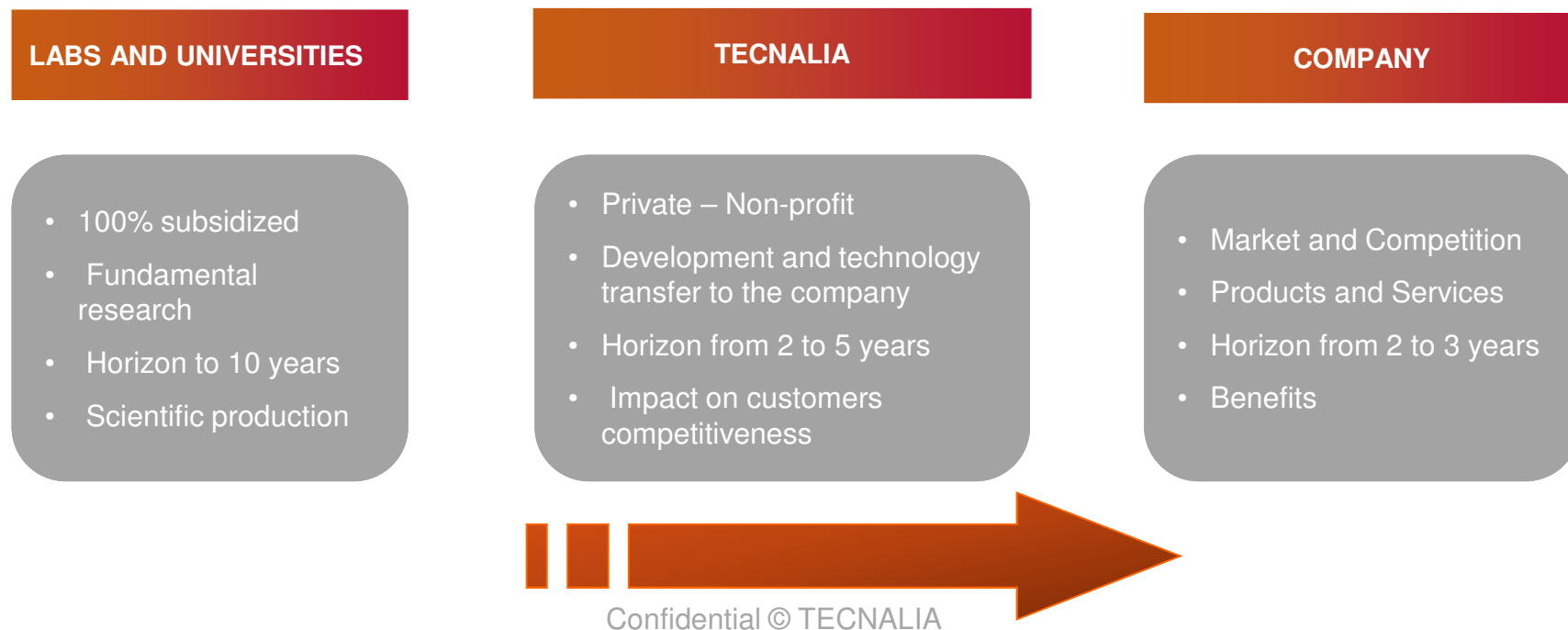
INSPIRING BUSINESS IS

**IDENTIFYING
AND DEVELOPING
BUSINESS
OPPORTUNITIES**

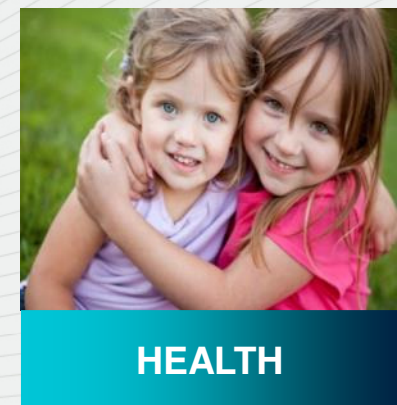
THROUGH
APPLIED RESEARCH.

.Positioning

- **Research and Development Technological Center**
- Positioning **between** Fundamental Research (University) and Industrial Application (Company)



Organized in 7 Business Divisions: we work from the **experience and the expertise** in each of the markets in which we operate, with an efficient and proactive attitude.



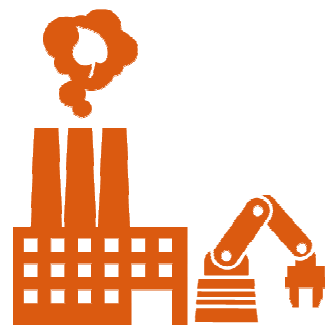
.Industry and Transport Division

2 STRATEGIC CHALLENGES

WITH IMPACT ON DIFFERENT SECTORS



Sustainable Transport



Industry and Factory of the Future



Aeronautics



Automotive



Foundry and Steelmaking



Rail



Machine tool

OTHER SECTORS

.Our challenges

Industry 4.0



CONNECTED

- Co-operation and networking
- System integration



AUTOMATED

- Repeatability and reliability
- Increased productivity and efficiency



SUSTAINABLE

- Environmental
- Cost-effective



FLEXIBLE

- Reconfiguration capability
- Processes and systems integration



SOCIAL

- Spaces shared by people and machines
- Social responsibility



SMART

- Environmentally sensitive systems
- Rational use of resources
- Preventive and predictive

. being close to the markets



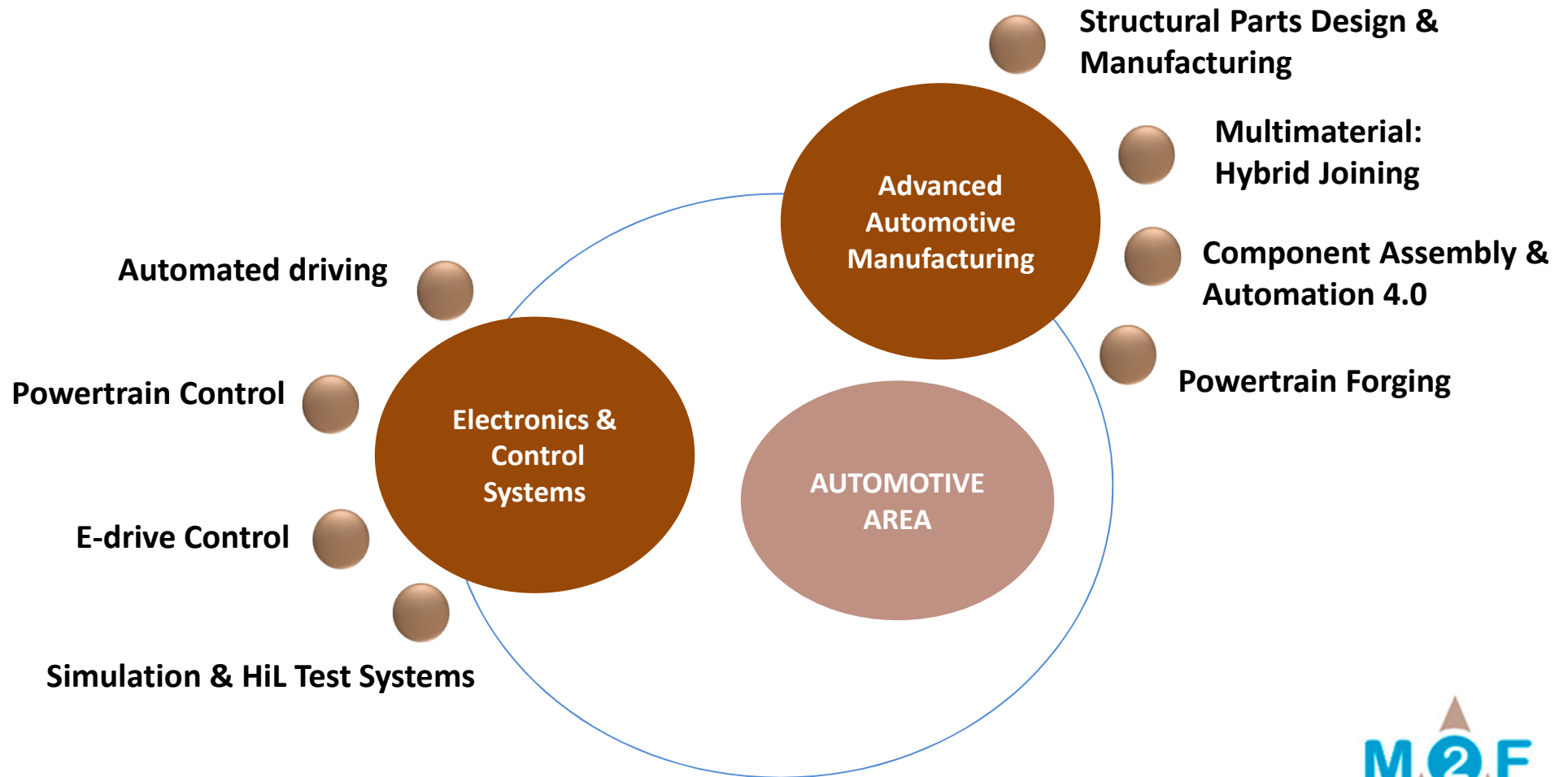
Automotive Sector

Cutting Edge Solutions for Automotive Industry

TECNALIA boosts competitiveness of AUTOMOTIVE companies, developing breakthrough ideas for a future sustainable transport



Automotive Technology Domains

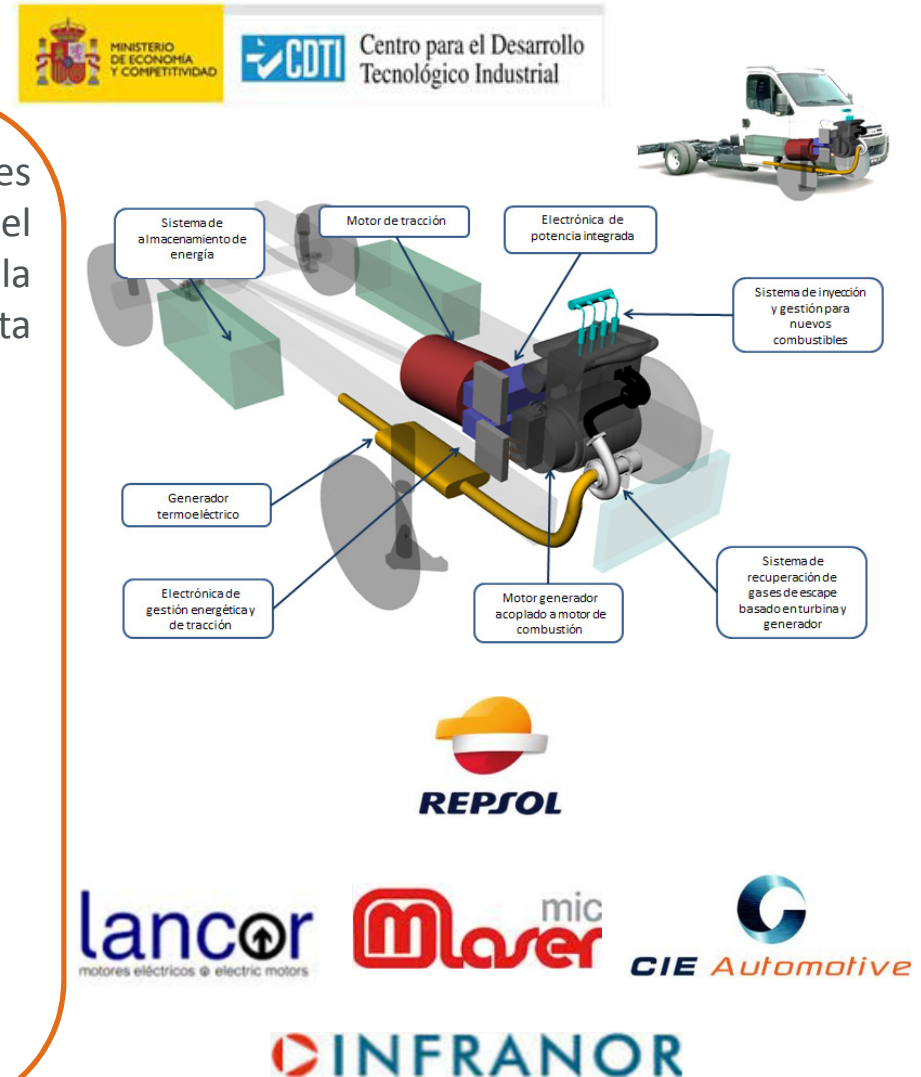


SPAIN 2017: Sistema de Propulsión Avanzado INtegrado 2017

Objetivos

Desarrollo de una serie de tecnologías viables económicamente que permitirán maximizar el aprovechamiento de la energía, combinando la energía eléctrica con sistemas de combustión de alta eficiencia (2015-2017):

- nuevas formulaciones de gasolinas ligeras
- generadores y motores eléctricos más eficientes
- sistemas de control energético
- sistemas de recuperación de energía de los gases de escape
- acoplamientos ligeros
- sistemas de refrigeración de alto rendimiento.



www.tecnalia.com



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