## Accelerating innovation





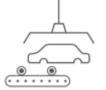
Catena-X based Data Space Demonstration Center for the Automotive Sector

## **Basque Automotive Sector**

Land of Automotive Industry

7





Vehicle production plants within a radius of 200Km.



324 Companies based in the Basque M Country. ക്കള 340 abroad.

Basque production plants

2 Bus manufacturers. Electrical Buses

TOP 100 Basque Companies in the TOP 100 global suppliers Rank.



### 25,000 millions euros

of annual turnover.



48 Multinational companies in the Basque Country.



### **50%**



of Spanish auto part business is generated by Basque companies





of turnover invested in R&D.



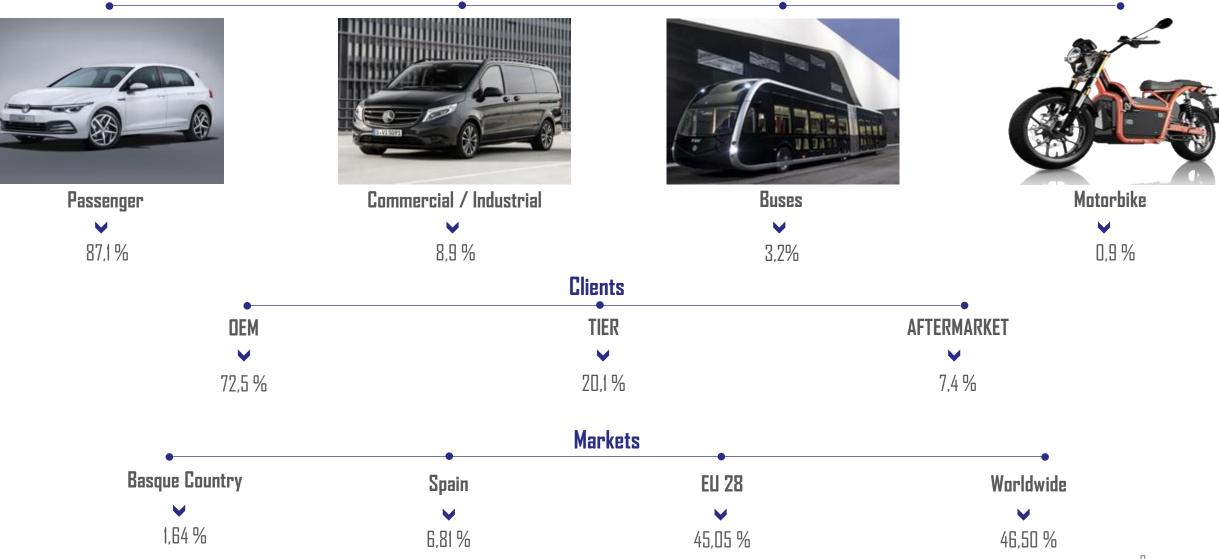
An open innovation center.

## **Basque Automotive Sector**

Vehicle Types – Clients - Markets



Distribution of automotive sales by vehicle type



## **Basque Automotive Sector**

**Broad Range of Expertises – Processes** 











#### • Structural parts and body

Chassis-Bodywork Self-supporting access elements Subchassis Dissipation zones

Drivetrain

Suspension

Transmission

Powertrain

E-Powertrains

Exhaust system

Advanced powertrain

ICE - Internal combustion

Brakes

Steering

systems

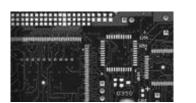
engine

Air supply Fuel supply

Battery









#### Internal elements

Seats Passive Security System Dashboard Internal coating

External elements

Opening/closing elements Rear vision elements Aesthetic elements Bodywork

#### Electricity, Electronics and Connectivity

Lighting and Signalling Control Devices Electronic Wiring and connectors Communication and Multimedia systems Auxiliar electric elements

#### Tires and Wheel rims

Tires Wheel rims

### Seats

L





## AIC Accelerating Innovation

"Innovation through cooperation"

## AIC – Accelerating Innovation Unique Model



#### **OBJECTIVES:**

### PRODUCT, PROCESS, PEOPLE

- Stimulate sector knowledge.
- Increase **applied research** related to the sector.
- Promote **training** among professionals at all levels.
- Encourage the creation of **new businesses** with high added value in the sector.
- Attract innovative projects



Focused on Automotive sector /Mobility

AIC focuses on providing value to the automotive sector /Mobility solutions



### Open to the world

International projection, clustering companies from 10 different nationalities



Integrating both own resources and external capabilities Creating talent by bringing together AIC's own capabilities with the capabilities of both member companies and AIC international network



Market-oriented

Through the development of market-oriented projects. Flexible.



Based on cooperation and open innovation

Working under a cooperation and open innovation philosophy that contributes to the development of joint projects

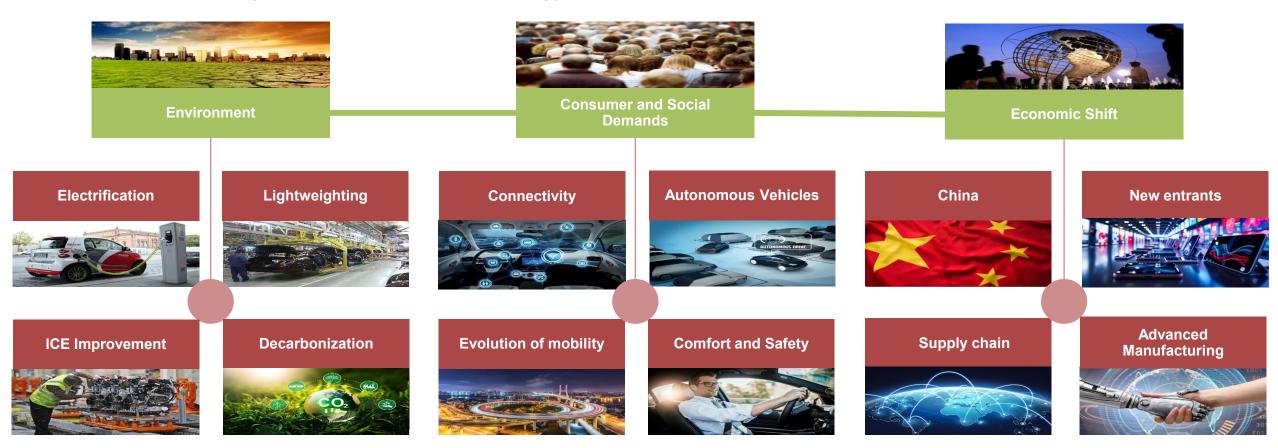


## **Evolution of megatrends and challenges**

Megatrends and areas of action



The automotive industry is disrupted by the drivers concerning Environment, Consumer and Social Demands and Economic Shift, causing an unprecedented technology and business model transformation.



The automobile industry is experiencing a fundamental transformation, and both vehicle and component manufacturers are preparing to respond to the new challenges and opportunities that will come.

**Uneven Efforts** 



#### Some trends are gaining momentum, while others slow down

		Deccelerated		Constant	Accelera
Environment	Electrification				
	Lightweighting		•		
	ICE Improvement				
	Decarbonization				
Consumer and Social Demands	Connectivity				
	Autonomous Vehicles				
	Evolution of Mobility				
	Comfort and Safety				
	China				•
Economic Shift	New entrants				
Shi	Supply Chain				•
	Advanced Manufacturing				

## **Evolution of megatrends and challenges**

Changes are required to tackle some challenges



Environment

# Electrification

ICE Improvement

Consumer and Social Demands

#### Connectivity

Autonomous Vehicles Evolution of Mobility

Comfort and Safety

Economic Shift China New entrants Supply Chain

Advanced Manufacturing



#### **Sustainability Competitive**

- Validated carbon footprint report
- ESG governance and alignment with regional variation of activities
- Operating the circular economy



#### **Resilient Supply Chains**

- Improving the performance of supply chains
- Efficient inventory and demand management
- End-to-end information cybersecurity



## Regulatory Compliance & PLM

- Passport creation products
- Component quality traceability
- Scaling of digital infrastructures

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## AIC – Accelerating Innovation

Catena-X based Data Space Demonstration Center for the Automotive Sector

#### DESCRIPTION

Catena-X based data space demonstrator center for the automotive industry with focus on **data management, digital transformation**, **innovation, efficiency and quality across the value chain.** 

#### **OBJETIVES**

- Developing and deploying a digital offer based on data spaces within the framework of Catena-X
- Connecting the needs of small and large companies in the automotive value chain
- Connecting demand through use cases
- Strengthening the digital services infrastructure by fostering collaboration between public and private actors at local, national and European level.

#### USE CASES

- Data valorization focused on Users and value added areas of the automotive sector
- Management and optimization of the product (vehicle) life cycle
- Promotion of the **resilience of the production chain**
- Promotion of Sustainability, Circular Economy and Social Impact in the automotive industry





## **Accelerating Innovation**





## • Thank you – Eskerrik Asko – Muchas Gracias









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