

Basque Industrial Company specialist in thermoplastic compounding and automotive thermoplastic components offers itself to be member of a Horizon Europe Consortia looking for a bio-polymer compounder or an end user case to make an automotive component demo

## Summary

Profile type	Company's country	POD reference
<b>Technology offer</b>	<b>Spain</b>	<b>TOES20230629005</b>
Profile status	Type of partnership	Targeted countries
<b>PUBLISHED</b>	<b>Research and development cooperation agreement</b>	<b>• World</b>
Contact Person	Term of validity	Last update
<a href="#">Rita ELSTE - TOMSONE</a>	<b>5 Jul 2023</b> <b>4 Jul 2024</b>	<b>5 Jul 2023</b>

## General Information

### Short summary

Basque large industrial Company is specialist in thermoplastic elastomers (TPE) and thermoplastic (TP) compounding and also manufactures automotive components made with those TPE and TP. The Company offers itself to be member of a Horizon Europe Consortia Consortia that might be looking for a bio-polymer compounder (TPEs or TPs with ingredients non coming from fossile sources) or an end user case to make an automotive component demo.

### Full description

The Company is a more than 2.000 employees' industrial group, with more than 200 million Euro turnover. With headquarters in Spain (Basque Country), production plants in Czech Rep., Slovakia and Romania and operating plants in USA, China, India and Mexico, the company can offer a worldwide service to its clients. It has 50 years of experience as polymer compounder and as a TIER 1 in automotive technologies like fluid conduction, antivibration and sealing, using mainly polymeric materials.

Intensive R&D activities are currently being developed in collaboration with a wide range of Technology Centers and technology partners around Europe:

**New Polymeric Materials & Green Deal:**

- Developments in non-fossil sourced biopolymers and its bio additives
- Increased recyclability of elastomeric polymers for components for electric vehicles
- Recycling technologies for elastomeric polymers (rubbers, thermoplastics, TPEs, ...)

**Hydrogen (FCEVs):**

- Hydrogen tank new developments for Fuel Cell Electric Vehicles
- Cooling technologies for the Fuel Cell Stack of the hydrogen FCEV vehicles
- Oxygen intake and Steam exhaust circuits of the FCEV vehicles

**Batteries (BEVs):**

- Thermal management technologies for Battery Electric Vehicle circuits
- Anti-vibration technologies of the electric vehicles (e-drive,...)

**Industry 4.0 and Collaborative Robotics**

- 4.0 applied to advanced manufacturing technologies
- Embedded electronics in automotive components
- Collaborative Robots for automotive component manufacturing.

The company has experience in successful European Projects (ECSEL, H2020, EIT, HEU, etc.) having more than 100 researchers and its own R&D Center. It will be interested in the call HORIZON-CL4-2023-TWIN-TRANSITION-01-42 and also in Cluster 6 the call codified as HORIZON-CL6-2023-ZEROPOLLUTION. LIFE Programme is also envisaged.

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Advantages and innovations

Compounding polymers for automotive component applications using ingredients either recycled or bio-sustainable, allows to manufacture automotive components more sustainable with a lower carbon footprint.

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Technical specification or expertise sought

Bio-polymers and recycled polymers material developers and manufacturers for the automotive industry

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Stage of development

**Available for demonstration**

IPR Status

**Secret know-how**

Sustainable Development goals

- **Goal 13: Climate Action**
- **Goal 9: Industry, Innovation and Infrastructure**
- **Goal 17: Partnerships to achieve the Goal**

## Partner Sought

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### Expected role of the partner

The Company offers to act in two roles:

- As a polymeric compounder of the materials that other members of the Consortia will develop (bio-polymers, recycled polymers,...)
- As an end user case manufacturing some automotive components using those bio-polymers developed during the research along the project.

### Type of partnership

**Research and development cooperation agreement**

### Type and size of the partner

- **SME 11-49**
- **SME <=10**
- **University**
- **SME 50 - 249**
- **R&D Institution**

## Dissemination

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### Technology keywords

- **02002013 - Moulding, injection moulding, sintering**
- **02007014 - Plastics, Polymers**
- **002002013 - Moulding, injection moulding, extrusion, sintering**

### Targeted countries

- **World**

### Market keywords

- **08001006 - Processes for working with plastics**
- **08001001 - Plastic fabricators**

### Sector groups involved

- **Mobility - Transport - Automotive**