

Search for a Spanish Partner for a Bilateral R&D Project

Organization	
Date of Request:	27 November 2024
Company name:	Technical center of plastic and rubber
Contact person and title/ designation:	ELFARISSI LATIFA / Head of research and development department
E-mail:	elfarissi@ctpc.ma
Phone number:	+212 5 22 58 09 50
Mobile number:	+212 5 22 58 09 77
Website:	https://ctpc.ma/

SECTION 1: Entity launching the partner search <i>(Please give brief / to the point explanations. For more explanation on any point below, you may add a short paragraph as an annexure, with this document.)</i>	
Sector	Plastic and rubber
Entity mission or core functions	The CTPC provides a wide range of services to support industries in their projects related to polymers, composites, and biodegradable materials.
Date of establishment	2005
Ownership (if public and traded, add stock exchange and ticker symbol)	Nonprofit association
Total number of employees	43
Number of employees in R&D	9
Key products sold or services provided	<ul style="list-style-type: none"> - Material characterization and analysis (physical, chemical, mechanical and thermal tests) - Research and development - Technical support and consultancy
Entity core technical competences	<ul style="list-style-type: none"> - Advanced materials characterization - Research and innovation - Sustainability and circular economy solutions

	<ul style="list-style-type: none"> - Training and technical transfer
Key R&D programs and activities	<ul style="list-style-type: none"> - Prima program - INNO-ESPAMAROC - Technical Centers Support Fund - Innovation Support Fund - Funding Program for Technical and Technological Improvement Services - Mouwakaba Program
Examples of accomplishments	<ul style="list-style-type: none"> - Execution of international projects under the PRIMA PROGRAMME, focusing on the development of bioplastics, bio-based intelligent packaging, and innovative solutions for the NEXUS transition to support climate change adaptation and the implementation of sustainable development initiatives. - Implementation of an innovative project related to energy efficiency in buildings within the framework of the INNO-ESPAMAROC 2021 program. - Carrying out projects related to development, partnerships, certification, and the development of new activities for sectors such as Recycling, Sanitary, Plasticulture, Packaging, Circular Economy, and Construction in the framework of the 5th edition of FACET (Technical Centers Support Fund). - Development of a framework agreement between CTPC and Maroc PME to implement a support offer within the Mouwakaba Program for industrial companies in various areas (Decarbonization, competitiveness, and new markets). - Implementation of innovative projects under the FSI program (Innovation Support Fund) for the benefit of companies in the plastics sector.
Company strategic orientation	<p>Innovation and Research: Developing new materials, such as biodegradable polymers and advanced composites, while focusing on improving the performance of existing materials in various industries, including construction, recycling, and packaging.</p> <p>Sustainability and Circular Economy: Promoting environmentally friendly practices</p>

	<p>by fostering the recycling of polymers and supporting the adoption of sustainable technologies that reduce environmental impact.</p> <p>Industry Collaboration: Providing technical support and R&D services to industries, with a focus on improving production processes, enhancing material performance, and addressing challenges like decarbonization and competitiveness.</p>
--	---

SECTION 2: Spanish Company Profile <i>(Please provide a brief summary of the prospective partner company or organization. This summary may address some or all of the points below)</i>	
Profile of ideal technology partner	A Spanish company specializing in polymer engineering, particularly in the development and production of advanced foam materials.
Core technological competencies and expertise	<ul style="list-style-type: none"> - Proven track record in designing lightweight, durable, and sustainable materials tailored for specific applications. - Capability to produce foam prototypes for testing and evaluation at the laboratory and pilot scale.
Other essential qualifications (e.g.: ownership, track records etc.)	Access to manufacturing and characterization facilities to support development and testing.
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	We don't have any contact
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	<p>The "IDROME" project proposes innovative wall-mounted rainwater storage reservoirs designed to be installed on building facades to address climate change challenges and water shortages. These reservoirs, made of polyethylene through rotational molding, provide enhanced mechanical strength. The project also aims to strengthen the thermal insulation of building exterior walls by developing a multi-layer reservoir that integrates insulating foam made from plastic waste between its inner walls, helping to reduce</p>

	<p>temperature fluctuations, prevent freezing, and protect stored water in extreme conditions. With their insulating design, these reservoirs also help maintain a stable indoor temperature, thereby reducing heating and cooling needs. Furthermore, they are designed to support facade vegetation, creating a green space that enhances the building's aesthetics.</p>
<p>Interested areas of collaboration</p>	<ul style="list-style-type: none"> - Joint development of the foam layer formulation, focusing on achieving a balance of insulation, mechanical durability, and sustainability. - Integration of foam technologies with multilayer rotational molding techniques. - Collaboration on testing and certification of the foam materials for compliance with food safety and environmental standards.
<p>Specific R&D contribution you are seeking/offering</p>	<ul style="list-style-type: none"> - Seeking: Expertise in foam technology and production capabilities to fabricate and optimize materials for integration into the multilayer tank design. - Offering: Access to a Moroccan-based consortium with strong capabilities in rotational molding, numerical simulation and design optimization, as well as advanced characterization. - Joint efforts to scale up and validate solutions for industrial and market applications, with a focus on sustainability and innovation.

Signature

Name:

Date:



EL FARUSSI

28-11-2014

