

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

Organization	
<b>Date of Request:</b>	2024-9-24
<b>Company name:</b>	University of Sharjah (Spinoff Company: ECOBOT)
<b>Contact person and title/ designation:</b>	Mohamed Abdallah, Associate Professor, Principal Investigator / Founder
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### SECTION 1: Entity launching the partner search

*(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.)*

Sector	<ul style="list-style-type: none"> <li>- Higher Education / Research &amp; Development (University)</li> <li>- Environmental Services, Waste Management, Robotics, and Artificial Intelligence (Spin-off)</li> </ul>
Entity mission or core functions	Conduct innovative applied research and promote patents and commercialization opportunities
Date of establishment	<ul style="list-style-type: none"> <li>- 1997 (University)</li> <li>- 2024 (Spin-off)</li> </ul>
Ownership (if public and traded, add stock exchange and ticker symbol)	<ul style="list-style-type: none"> <li>- Government of Sharjah (University)</li> <li>- 50/50 University of Sharjah / Mohamed Abdallah (Spin-off)</li> </ul>
Total number of employees	Staff = 1854 (University) Staff = 6 (Spin-off)
Number of employees in R&D	6
Key products sold or services provided	Develop smart cross-disciplinary solutions (software and hardware systems) for waste management and sustainability challenges

Entity core technical competencies	Multi-disciplinary research in the areas of waste management, sustainability, artificial intelligence, robotics, blockchain, cyber security, IoT, and smart technologies
Key R&D programs and activities	Implementation of a patented smart solid waste collection system, including AI modules and robotics.
Examples of accomplishments	<ul style="list-style-type: none"> <li>- Patent filed and granted</li> <li>- Proof of concept deployed</li> </ul>
Company strategic orientation	Technology innovations with environmental consciousness and social responsibility

## SECTION 2: Spanish Company Profile

*(Please provide a brief summary of the prospective partner company or organization. This summary may address some or all of the points below)*

Profile of ideal technology partner	A company or organization with innovative designs and solutions in smart waste management, intelligent transportation, IoT, AI, and/or robotics.
Core technological competencies and expertise	Experience in smart cities, IoT, automation, smart bins, AI, wireless sensor networks, and/or robotics.
Other essential qualifications (e.g.: ownership, track records etc.)	MVPs, Scaling up, Commercialization,
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	<p>Here are some examples of potential partners (no contact initiated yet):</p> <ul style="list-style-type: none"> <li>- THEKER Robotics - <a href="http://www.theker.eu">www.theker.eu</a></li> <li>- SDAKO Technologies - <a href="https://sadako.es/">https://sadako.es/</a></li> <li>- Candam Tech - <a href="https://candam.eu/">https://candam.eu/</a></li> <li>- Sol-x - <a href="http://sol-x.es/en/solucion/quamtra-smart-waste-management/">http://sol-x.es/en/solucion/quamtra-smart-waste-management/</a></li> <li>- IoTADLAB - <a href="https://iotmadlab.es/en/area/limpieza-y-residuos/">https://iotmadlab.es/en/area/limpieza-y-residuos/</a></li> <li>- Distromel - <a href="https://www.distromel.com/en/">https://www.distromel.com/en/</a></li> </ul>

<p>If you are interested in collaboration: please specify details and other important information you want to share with a potential company</p>	<p>The patented system integrates multiple state-of-the-art technologies, including robotics, intelligent transportation, artificial intelligence, blockchain, and cybersecurity. The system has been tested and fine-tuned in indoor environments only. We want to partner with the Spanish company, to move the technology further to more advanced TRLs.</p>
<p>Interested areas of collaboration</p>	<p>Design and manufacturing of indoor and outdoor smart waste bins and robot swarms. Other applications include air quality monitoring and relevant environmental services.</p>
<p>Specific R&amp;D contribution you are seeking/offering</p>	<p>Seeking:</p> <ul style="list-style-type: none"> <li>- Technology development</li> <li>- Industrial manufacturing</li> <li>- Access to EU funding and market</li> </ul> <p>Offering:</p> <ul style="list-style-type: none"> <li>- Patented technology with tested prototype.</li> <li>- Multidisciplinary R&amp;D team (experts in the technology and the application)</li> <li>- Access to the Middle East markets.</li> <li>- Partnerships</li> </ul>

**Signature:** *M. Abdallah*

**Name:** Mohamed Abdallah

**Date:** 24/9/2024