

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

Organization	
Date of Request:	24/11/2024
Company name:	Harmony Technology
Contact person and title/ designation:	Brahim EL BHIRI, RD director
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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	IT and Industry
Entity mission or core functions	Harmony Technology drives digital transformations and delivers human-centered solutions and user-centric experiences, including platform development, across public, academic, private, and industrial sectors. This fosters knowledge dissemination, IoT innovation, and insights unlocking through AI and data analysis.
Date of establishment	2010
Ownership (if public and traded, add stock exchange and ticker symbol)	
Total number of employees	130
Number of employees in R&D	25
Key products sold or services provided	RFID Traceability System Smart Management Systems Smart Hospital Solutions Smart Management Systems Intelligent Traceability as a Service (ITaaS) Smart Warehouse Management (SWM)

	Predictive and Automated Maintenance (iMaint)
Entity core technical competences	IoT & Smart Industry X.0 Consulting & Digital Transformation Cybersecurity, Data Analysis & AI Education & Digital Knowledge
Key R&D programs and activities	Solve real-world challenges with impactful Research & Innovation solutions Unveil imaginative solutions that eclipse competitors Partnering for Progress Collaborating with leading universities and research institutions. Partnering with industry leaders to drive innovation. Fostering open communication and knowledge exchange. Sharing Knowledge
Examples of accomplishments	InnovFleet: innovative system of fleet tracking SmartGate: Gate for product traceability
Company strategic orientation	<p>We are driven by a passion for innovation and a commitment to progress. We believe that technology has the power to transform lives and unlock new possibilities. Our mission guides every step we take, ensuring our research delivers tangible benefits and lasting impact.</p> <ul style="list-style-type: none"> - Solve real-world challenges with impactful Research & Innovation solutions - Unveil imaginative solutions that eclipse competitors. - Partnering for Progress. <p>Our Values 1 -QUALITY. We strive for excellence in everything we do, pushing boundaries and delivering outstanding results through dedication and continuous improvement.</p> <p>2. COLLABORATION. We believe in the power of collaboration, fostering a supportive and inclusive environment where diverse perspectives come together to drive innovation and success.</p>

	<p>3. GROWTH MINDSET. We embrace a growth mindset, encouraging curiosity, learning, and personal development as we navigate challenges and seize opportunities for professional growth</p>
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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 partner with expertise in electrical engineering, embedded systems, power electronics, and industrial computing, with R&D experience in energy management and smart grids.
Core technological competencies and expertise	<p>Expertise in power converters (DC-DC, DC-AC) and control systems for optimizing microgrids.</p> <p>Knowledge in integrating renewable sources and storage solutions (batteries, supercapacitors).</p> <p>Experience in designing Energy Management Systems (EMS) for multi-source micro-grids.</p>
Other essential qualifications (e.g.: ownership, track records etc.)	<p>Strong track record in collaborative projects in renewable energy and smart grids.</p> <p>References in scientific publications or patents related to these technologies.</p>
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	We are interested with companies that have experience in developing adaptive EMS and power conversion technologies.

Interested areas of collaboration	Development and optimization of power converters and EMS as well as performance testing and validation of microgrid prototypes integrating multiple energy sources.
Specific R&D contribution you are seeking/offering	Seeking a partner to co-develop adaptive EMS based on AI and optimized control algorithms for microgrids, offering expertise in energy optimization and power integration



Signature

Name: EL BHIRI Brahim

Date: 25/11/2024