

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

Organization	
Date of Request:	23 January 2023
Company name:	University of Sharjah
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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.)

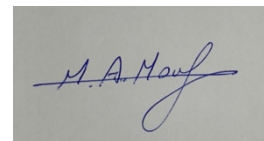
Sector	The company is a public/governmental University. The project is related to healthcare (dentistry) and laser material processing.
Entity mission or core functions	In addition to education, we are passionate about building a collaborative and sustainable environment that cultivates twenty-first century skills and fosters pioneering research and scholarship.
Date of establishment	The University was established in 1997. The project was established in 2019.
Ownership (if public and traded, add stock exchange and ticker symbol)	The University is a governmental body. This project is undertaken by a researcher / faculty in the University, with a team of external collaborators in Europe.
Total number of employees	The University has around 5,000 employees, including faculty, researchers, admin and support staff. The team comprises the members listed below.
Number of employees in R&D	<ol style="list-style-type: none"> 1. A dentist - also the inventor, project owner & manager 2. An optical engineer 3. An artificial intelligence engineer and software developer 4. A mechanical engineer 5. A business consultant

<p>Key products sold or services provided</p>	<p>The main services are academic excellence, research and innovation, leadership and engagement, and lifelong learning.</p> <p>As for this project, the intended product relates to the use of laser in healthcare and materials processing. The project is in the R&D stage with no products or services sold yet.</p>
<p>Entity core technical competences</p>	<p>The University has a range of core technical competencies, including engineering, architecture, computing, IT, business, law, health sciences, media and communications, and design. It has recently been ranked by the “Times Higher Education - THE” as #1 in the UAE and #300 in the world. It is also among the best 100 university worldwide in sustainability. The University is known for its excellence and innovation in research, and has established partnerships with leading international universities and institutions.</p> <p>As for the project, the team is made of 3 professors who obtained their PhD degrees from the UK. The PM has worked as a faculty in clinical dentistry in the UK for 9 years before joining Sharjah. The optical engineer is graduate from Cambridge, and the software engineer is currently a research fellow in Brunel University, UK.</p>
<p>Key R&D programs and activities</p>	<p>The system design has been completed; the BOM was identified; the software is under development. The project reached the prototyping phase; a number of potential R&D providers have been identified. A business model has been developed.</p>
<p>Examples of accomplishments</p>	<p>As above.</p>
<p>Company strategic orientation</p>	<p>Our strategic orientation is to drive innovation through research and development. We are committed to creating solutions that are reliable, effective, and sustainable for the long-term. We prioritize collaboration to ensure that we make the most impactful discoveries.</p>

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	Specialised in optical and photonics technologies. Ability to provide bespoke designs in optics, prototyping, manufacturing, and business scaling.
Core technological competencies and expertise	Optical design and photonic components, particularly in relation to laser material processing and 3D scanning.
Other essential qualifications (e.g.: ownership, track records etc.)	A track record and successful stories in R&D, efficient documentation and communication. Previous patents and contribution to academic publications would be a bonus.
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	The contact details will be provided in due time.
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	After signing the NDA, the following information will be shared: <ol style="list-style-type: none"> 1. Intended product features 2. Initial design blueprint 3. Initial BOM 4. List of requirements 5. Results of the patentability search
Interested areas of collaboration	Optical design Instrument development
Specific R&D contribution you are seeking/offering	Initially, prototyping, optimization of the laser system design, and testing Once this is successful, scalability, and manufacturing.



Name: Mohammad-Adel Moufti

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