

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

Organization	
Date of Request:	15-September-2022
Company name:	Kumasi Technical University
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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	Academic and Research
Entity mission or core functions	We provide quality teaching, learning and research in engineering, science, technology, and entrepreneurship to promote industrial development in Ghana. We pioneer innovations in scholarship and research to address local and national challenges.
Date of establishment	1954
Ownership (if public and traded, add stock exchange and ticker symbol)	Public University
Total number of employees	Six Hundred and Eighty-five (685)
Number of employees in R&D	Two Hundred and Ninety-four (294)
Key products sold or services provided	[1] Academic training at the undergraduate, graduate, and professional levels [2] Knowledge and skills transfer training (academia-industry collaboration)

Entity core technical competences	<ul style="list-style-type: none"> [1] Food and agricultural technology training and education [2] Renewable Energy and Development [3] Electrical / Electronic Engineering Technology [4] Mechanical Engineering Technology [5] Construction artisanal training
Key R&D programs and activities	<ul style="list-style-type: none"> [1] Renewable Energy Research and Development; [2] Agro-industrialization and post-harvest technologies and entrepreneurship development [3] Mechatronics and Vehicle Diagnosis
Examples of accomplishments	<ul style="list-style-type: none"> [1] Solar dryer research Project – 2011 [2] Renewable Energy and Energy Efficiency Centre – 2014 [3] Collaborative research on renewable energy technology transfer industrial biogas and cookstoves – 2015 [4] Partnership for Applied Sciences (PASS) – 2017 (Development of Capacity training in Competency-Based Training (CBT)) [5] Hybrid Waste to Energy as a sustainable solution for Ghana – 2019
Company strategic orientation	<ul style="list-style-type: none"> [1] To provide higher education in engineering, science and technology-based disciplines, technical and vocational education, and training, applied arts and related disciplines; [2] To use competency-based and practice-oriented approach in teaching, organisation, and delivery of courses; [3] To develop strong linkages and collaboration with relevant industries, businesses, professional bodies and technical experts in the design and delivery of programmes; [4] To offer programmes and courses within the mandate of a Technical University; and [5] 5. To provide opportunities for technical and professional skills development, applied research and publication of research findings.

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	<p>KSTU requires an industry partner that is into use of modern and 'indigenous' farming technologies for increased and sustainable food production, postharvest losses reduction, and building resilience for food insecurity. KSTU is also open to collaborating with</p>
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	partners who are into Renewable energy research, generation and management, Sustainable construction technologies, Oil and gas, Mechatronics and vehicle diagnosis.
Core technological competencies and expertise	The company should have technological competencies and expertise in: designing and producing advanced improved production practices; climate smart-production systems and technologies; production equipment and systems such as greenhouse technologies, solar irrigation, and solar dryers; and ICT application in agribusiness (e-agriculture).
Other essential qualifications (e.g.: ownership, track records etc.)	The company should have a track record of supporting Agri-finance and extension service delivery. The company should also have experience in creating a working relationship or branch or subsidiary with academic and research institutions, preferably in Africa, especially, Ghana or West Africa.
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	Not available
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	Kumasi Technical University (KsTU) is a Ghanaian University for delivering front-line research and professional training in science, technology, and entrepreneurship disciplines for national development. KsTU envisages to be a leading world-class technical university devoted to science, technology, and entrepreneurship education.
Interested areas of collaboration	[1] Food security and Agro-industrialization [2] Renewable Energy Research and Development [3] Construction Artisanal Training [4] Mechatronics and Vehicle diagnosis [5] Oil and Gas
Specific R&D contribution you are seeking/offering	[1] Resilience to food insecurity [2] Sustainable food systems

	<ul style="list-style-type: none">[3] Agro-industrialization[4] Technology for postharvest losses reduction[5] Development of renewable energy technologies.[6] Mechatronics and Automotive Diagnosis
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Signature : _____

Name: Engr. Surv. Prof. Sarfo Mensah

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