

**Search for a Spanish Partner for a
Bilateral R&D Project (this document will be shared with potential Spanish
companies)**

Organization	
Date of Request:	18 January, 2022
Company name:	Future university in Egypt
Contact person and title/ designation:	Professor Ahmed Deifalla
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SECTION 1: Your Company Profile

(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.)

Business Sector	Teaching and research
Company mission or core functions	Research studies
Date of establishment	2006
Ownership (if public and traded, add stock exchange and ticker symbol)	Private university
Total number of employees	2000
Number of employees in R&D	500
Key products sold or services provided	Research investigations
Company core technical competences	Research investigations
Key R&D programs and activities	First among private universities for QS ranking
Examples of accomplishments	First among private universities for QS ranking
Company strategic orientation	Teaching and Research Facility

SECTION 2: Partner of Interest

(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 Spanish Company specialized in wastewater management and treatment
Core technological competencies and expertise	Ability to consult for the development of new solutions for waste-water management.
Other essential qualifications (e.g.: ownership, track records etc.)	No specifics
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	No, I do not
If you are interested in collaboration: please specify details and other important information you want to share with a potential company.	EGYPTIAN-SPANISH JOINT TECHNOLOGICAL CO-OPERATION PROGRAM, CALL-6 https://stdf.eg/web/grants/open
Interested areas of collaboration	Grey water treatment and management
Specific R&D contribution you are seeking/offering	Consulting us in new solution for grey water treatment and management. Please see abstract for details.

Signature *ahmed Deifalla*

Name: Ahmed Deifalla

Date: 18- January 2022

Abstract - English

Integrated water management aims to promote water supply from conventional sources and wastewater reuse to address issues such as water scarcity. The main objective is to develop an experimental system for greywater treatment with the optimum cost and reuse it in the residential building's facilities. The main result will help decision-makers select the optimum alternatives according to life cycle costing. Furthermore, this study will be showing the presented experimental study, which uses a conventional treatment process built with existing systems that can achieve relatively good results of greywater treatment, particularly infiltration by a mixture between screen filter and gravel filter. In this study, we will be using renewable energy/solar energy to help the decision-makers solve the problems of water-lifting machine systems control in Egypt with new innovative technology. Moreover, use a new and clean technology as a post treatment process, which is atmospheric pressure plasma (APP) to increase the quality of the treated gray water.