

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

Organization	
Institute name:	National Research Centre (NRC), Engineering Research Division, Chemical Engineering and Pilot Plant Department.
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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	Work in the fields of research, development, design and operation in the Industrial Chemical Processes either in Egypt or abroad.
Institute mission or core functions	<p>NRC is the largest multidisciplinary R&D Centre in Egypt devoted to basic and applied research within the major fields of interest.</p> <ul style="list-style-type: none"> • NRC Possesses an impressive scientific & technological infrastructure and man power resources of 4735 research staff. • NRC Consists of 14 divisions and 108 departments covering the major areas of industry, health, environment, agriculture, basic sciences and engineering. • NRC is headed by a president with ministerial status, assisted by two vice presidents, one for research and the other for technical affairs. The minister of state for Scientific Research is the higher president of NRC. <p>NRC Vision</p> <p>The NRC has to correspond to the country's key production and services sectors through the research conducted in different areas of science and technology, scientific consultation and training as well.</p> <p>NRC Mission</p> <p>The NRC mission is to conduct basic and applied research within the major fields of interest in order to develop production and services sectors.</p>
Date of establishment	NRC was established as an independent public organization in 1956.



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Ownership (if public and traded, add stock exchange and ticker symbol)	Egyptian Government
Number of employees in R&D	NRC Consists of 14 divisions and 108 departments covering the major areas of industry, health, environment, agriculture, basic sciences and engineering. Man power resources of 4735 Ph.D. Holders.
Key products sold or services provided	Research and Development, Lab and Pilot Plant Examinations.
Institute core technical competences	Researches
Key R&D programs and activities	Solid Waste Management Construction and building Materials Ceramic Materials Ceramic Filters and Membranes Water Treatment
Examples of accomplishments	<ol style="list-style-type: none"> 1. Production and Development of Sustainable Construction Materials Using Industrial Solid Wastes. 2. Development of Integrated Membranes Systems for Improving Water Quality to Reach Standards of Cell and Molecular Biology Applications. 3. Production of nano-ceramic membranes for water desalination by environmentally friendly way. 4. Reuse of agricultural and industrial solid wastes in development of cement, sand, and clay bricks manufacturing. 5. The use of ceramic dust waste in the manufacture of clay bricks. 6. Inventory of building material wastes, and quarrying processing producing pollutant matters in Egypt, and providing examples of industrial recycling methods. 7. Recycling of quarry waste and using in the manufacture of ceramic wall tiles. 8. The use of cullet in the manufacture of vitrified clay pipes. 9. Production of RO Membrane for Water Desalination. 10..... etc.
Institute strategic orientation	Research and Development.

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	<ol style="list-style-type: none"> 1. Universities. 2. Research Centers. 3. Companies.
Core technological competencies and expertise	<ol style="list-style-type: none"> 1. Chemical Engineering. 2. Environmental Engineering. 3. Membrane Technology. 4. Advanced Ceramics. 5. Economical Engineering.
Other essential qualifications (e.g.: ownership, track records etc.)	<p>Has experience in research projects. Well known with middle east research project. Well known with Egypt research policy.</p>
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details

<p>If you are interested in collaboration: please specify details and other important information you want to share with a potential company</p>	<p>-----</p>
<p>Interested areas of collaboration</p>	<p>Ceramic – advanced materials – environment (solid waste management – green technology) – water treatment - sustainability.</p>
<p>Specific R&D contribution you are seeking/offering</p>	<p>We are offering:</p> <ul style="list-style-type: none"> - Powder technology lab. - R&D projects. - Team (Companies, Researchers, and Experts). - membrane lab - Testing facilities - Simi pilot units. <p>We are seeking:</p> <ul style="list-style-type: none"> - Experts exchange. - Knowledge transfer. - Collaborative R&D projects. - New technology training.

**Vice President for Research Affairs
& International Relations**

Name: Prof. Dr. Mamdouh Moawad Ali Hassan

Signature:

Prof. Dr. M. Moawad Ali Hassan

Date: 13/01/2019

14.1.2019



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