

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

Organization	
Date of Request:	20/2/2020
Company name:	Textiles Development Center
Contact person and title/ designation:	Mohamed Abdelhameed- Technical Support Manager
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SECTION 1: Your Company Profile <i>(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.)</i>	
Business Sector	Textiles representing the following fields: Spinning, Fabric formation, Dyeing & Printing, Technical Textiles
Company mission or core functions	Enhancing competitiveness of Egyptian Textiles Industry through raising factories efficiency & quality, generating new products, and supporting entrepreneurship and start-ups.
Date of establishment	2010
Ownership (if public and traded, add stock exchange and ticker symbol)	Public Sector- Ministry of Trade & Industry
Total number of employees	8
Number of employees in R&D	6
Key products sold or services provided	Consultancy services, Inhouse Training, applied research connection to the textile's factories.
Company core technical competences	Consultancy services
Key R&D programs and activities	<ul style="list-style-type: none"> • Wound Dressing Nonwoven • Conveyor Belts Bag Filters for

	<p>Industrial Uses</p> <ul style="list-style-type: none"> • Automotive Fabrics
Examples of accomplishments	<ul style="list-style-type: none"> • New Methods to Produce Conveyor Belts • New Raw Materials & Techniques for Bag Filter Production • Produce Jeans fabrics by Merging sizing and Dying Processes • Enhance new Technology for caustic – soda recovery in mercerizing process • Produce prototype for textile matt to control irrigation water leaking into the soil Bag filters
Company strategic orientation	Roadmap for textiles industry 2013

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	Waste water Treatment in textiles dyeing mills
Core technological competencies and expertise	Waste water Treatment in textiles dyeing mills
Other essential qualifications (e.g.: ownership, track records etc.)	success stories and measures
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	<p>We suggest the following entities:</p> <ul style="list-style-type: none"> • ACCIONA “acciona-agua.com” • TPOMAG company “tpomag.com” • CIMARQ, “cimarq.es” • PALLWATER “pallwater.com” • Other relatively research centers, active in the field. • Other companies working in the area of waste water treatment
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	Textile wet processing Industry is one of the highly water consuming industries, 17-20% of today’s industrial pollution is the result of the textile coloring & treatment, contributing to 72 toxic chemicals in water supplies, 30 of which are permanent.

	<p>Textile industrial wastewater is one of the most attracting fields for treatment due to the mega and great consumption amount of water. Several recycled synthetic fibers such as polyacrylonitrile, polyamide, polylactic acid and polypropylene loaded with graphene oxide and nanoclays (nanokaoline and nano bentonite) will be exploited using solution blowing spinning and/or melt spinning technique to produce nano fibers that could be applied for dyes and heavy metal removal from industrial wastewater. Moreover, different composites will be formed by mixing the low cost recycled solubilized polymers loaded with the graphene oxides, nanokaoline as well as nano bentonite which will be applied on the removal of different dyestuffs and heavy metals ions from textile industrial effluent using padding technique.</p>
<p>Interested areas of collaboration</p>	<p>Holding activities in Egypt and Spain that can increase the knowledge of Egyptian Industry in the area of waste water treatment of textiles dyeing mills.</p>
<p>Specific R&D contribution you are seeking/offering</p>	<p>Waste water treatment of textiles dyeing mills.</p>

Signature

Name: Mohamed Abdel Hameed

Date: 1/3/2020

