

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

<b>Organization</b>	
<b>Date of Request:</b>	17-04-2019
<b>Company name:</b>	Green Energy Park
<b>Contact person and title/ designation:</b>	Samir Rachidi- Head of Department of Hydrogen, Bioenergy and Energy Storage
<b>E-mail:</b>	rachidi@iresen.org
<b>Phone number:</b>	
<b>Mobile number:</b>	+212 6 64 33 26 66
<b>Website:</b>	<a href="http://www.iresen.org/">http://www.iresen.org/</a>

<b>SECTION 1: Your Company Profile</b> <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	
Company mission or core functions	GEP is a platform for testing, research and training in solar energy, its main mission is to create synergies and to mutualize infrastructures of several Moroccan research institutions.
Date of establishment	2017
Ownership (if public and traded, add stock exchange and ticker symbol)	Public association
Total number of employees	41
Number of employees in R&D	41
Key products sold or services provided	
Company core technical competences	Confirmed expertise in the field of solar energy, in particular photovoltaic systems, implementation of demonstrators, modeling,

	and the transfer of technologies to startups and industrials.
Key R&D programs and activities	<p>the subjects constituting the cornerstone of the projects carried out by GEP have relation with:</p> <ul style="list-style-type: none"> <li>- Treatment and desalination of water using solar energy</li> <li>- Development of desert modules,</li> <li>- Design and development of innovative storage solutions</li> <li>- Development of industrial solar thermal applications</li> </ul>
Examples of accomplishments	<p>GEP is part of many EU projects:</p> <ul style="list-style-type: none"> <li>- <b>Reelcoop</b> : FP 7 project : REELCOOP (REnewable ELectricity COOPeration) is a EU/FP7 funded project aiming to develop renewable electricity generation technologies and promoting cooperation between EU Partner Countries and Mediterranean Partner Countries, which started in 1 September 2013, with a duration of 4.5 years.</li> <li>- <b>Maghrenov</b>: MAGHRENOV is a FP7 project addressing Mediterranean innovative markets in the field of Renewable Energies, Energy Efficiency (RE&amp;EE) and Biomass, in order to foster innovation and to favour convergence between EU and MPCs initiatives for the development of sustainable energies adapted to regional specificities.</li> <li>- <b>ORC PLUS</b>: H2020 Project, it consists of integration of an entirely new, salt-based and single-tank heat storage system.</li> <li>- <b>MinWater CSP</b>: MinWaterCSP aims to develop advanced cooling and mirror cleaning technologies as well as integrated water management plans to reduce cooling system water consumption by up to 95% relative to wet only cooling systems and mirror cleaning water consumption by up to 25%, while maintaining overall cycle efficiency.(H2020)</li> </ul>
Company strategic orientation	

<b>SECTION 2: Partner of Interest</b> (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	Industrial company
Core technological competencies and expertise	<ul style="list-style-type: none"> <li>- Production of fertilizers</li> <li>- Ammonia Synthesis</li> </ul>
Other essential qualifications (e.g.: ownership, track records etc.)	
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	<p>The main idea of the project aim to produce green ammonia using renewables energies and use this ammonia in fertilizing facilities.</p> <p>For this purpose, two main technologies will be used and integrated into the overall value chain. Green Ammonia will use a flexible system for ammonia synthesis from green hydrogen provided from electrolyzer. This electrolyzer will be fed by renewables energies.</p>
Interested areas of collaboration	Fertilizer industry Ammonia industry Production of Hydrogen
Specific R&D contribution you are seeking/offering	We are looking for a partner which is able to offer facilities to use of this ammonia system in a real application with the objective to demonstrate a proof-of-concept in relevant industrial environment.

Signature

Name:

Date:

Green Energy Park  
 Route Regionale R206  
 BENGUERIR

Tél.: 05 37 68 22 36

Fax : 05 37 68 88 52