

**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>	1 <sup>st</sup> March 2021
<b>Company name:</b>	Green Energy Park
<b>Contact person and title/ designation:</b>	Mr. Ayoub HIRT Head of Dpt Green Chemistry, Bioenrgy & Agritech
<b>E-mail:</b>	<a href="mailto:hirt@iresen.org">hirt@iresen.org</a>
<b>Phone number:</b>	+212 6 63 43 16 36
<b>Mobile number:</b>	Idem
<b>Website:</b>	<a href="http://www.greenenergypark.ma">www.greenenergypark.ma</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>	
<b>Business Sector</b>	R&D in Renewables and Applications
<b>Company mission or core functions</b>	<p>The Green Energy Park (GEP) is a solar energy testing, research and training platform located in the green city of BenGuerir. It was developed by the Research Institute of Solar Energy and New Energies (IRESEN) with the support of the Ministry of Energy, Mines, and Sustainable Development, and the OCP Group. This first platform in Africa, a unique model, allows on the one hand, the creation of synergies and the pooling of research infrastructures to create a critical mass and achieve excellence, and, on the other hand, the acquisition of knowledge and know-how with a multitude of partner universities as well as industrials.</p> <p>Research teams work on priority topics that span every link in the renewable energy R&amp;D value chain, from basic components to complex systems to meet national and African needs and context.</p> <p>Indeed, subjects such as water treatment and desalination using solar energy, the development of desert PV modules, the design of innovative thermal and electrical storage solutions and the development of industrial solar thermal applications are at the center of the Green Energy Park's research activities.</p>

Date of establishment	2017
Ownership (if public and traded, add stock exchange and ticker symbol)	Public
Total number of employees	41
Number of employees in R&D	35
Key products sold or services provided	<ul style="list-style-type: none"> <li>• R&amp;D Studies and Expertise</li> <li>• Indoor and Outdoor Testing infrastructure</li> <li>• Prototyping and scale-up</li> </ul>
Company core technical competences	R&D in Renewable Energy and applications (TRL 4-5 to 9) on both experimental and modelling aspects
Key R&D programs and activities	PV, Solar Thermal and CSP, Renewable Power Plant O&M, Renewable Resource Assessment, Smart Grids, Energy Storage, Solar Desalination, Green Mobility, Energy Efficiency, Bioenergy and sustainable agriculture/Nexus Water-Food-Energy
Examples of accomplishments	<p>In 2017, the scientific production of the GEP is as follows</p> <ul style="list-style-type: none"> <li>• 34 publications</li> <li>• 2 patents</li> </ul>
Company strategic orientation	Afford state-of-the-art technical expertise and R&D infrastructure to Moroccan universities and industry

## 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	<ul style="list-style-type: none"> <li>• Spanish SME</li> <li>• Acting in the renewable sector, and/or the Nexus Water-Food-Energy</li> <li>• Active in R&amp;D and Innovation</li> <li>• Close collaboration with Spanish university and/or R&amp;D center</li> </ul>
Core technological competencies and expertise	<ul style="list-style-type: none"> <li>• Aquaponics</li> <li>• Fish Farming</li> </ul>
Other essential qualifications (e.g.: ownership, track records etc.)	N.A.
If you have a list of companies with whom you are in contact or interested in contacting, please provide contact details	<ul style="list-style-type: none"> <li>•</li> </ul>
If you are interested in	N.A.

collaboration: please specify details and other important information you want to share with a potential company	
Interested areas of collaboration	<b><i>Design and implementation of an autonomous, circular and sustainable aquaponic unit, coupled to a solar desalination system</i></b>
Specific R&D contribution you are seeking/offering	We are offering: <ul style="list-style-type: none"> <li>• Expertise in instrumentation, data acquisition and analysis, solar energy (PV and Thermal)</li> <li>• An outdoor demonstration platform</li> </ul>

*Ayoub Hirt*

**Signature**

**Name: Ayoub HIRT**

**Date: 1<sup>st</sup> March, 2021**