

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

<b>Organization</b>	
Date of Request:	03/11/2019
Company name:	Green Energy Park
Contact person and title/ designation:	Aboubakr Benazzouz, PV and Smart Grids Engineer
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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	Renewable and Intelligent Energy
Company mission or core functions	Research institute
Date of establishment	2014
Ownership (if public and traded, add stock exchange and ticker symbol)	IRESEN/OCP
Total number of employees	39 (13 phds students)
Number of employees in R&D	27
Key products sold or services provided	<ul style="list-style-type: none"> <li>- Testing and demonstration of RE solutions and systems</li> <li>- Consulting Services for the development of RE projects</li> <li>- Access to R&amp;D infrastructure</li> <li>- Training Services</li> <li>- Technology adaption to the local context</li> <li>- Development of local conditions</li> </ul>



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	oriented RE technologies and solutions
Company core technical competences	PV, thermal solar, intelligent energy, modeling and simulation
Key R&D programs and activities	<ul style="list-style-type: none"> <li>- Testing and demonstration of RE solutions and systems: Energy Management Systems, PV modules and Systems, PV Inverters, PV coatings</li> <li>- Consulting Services for the development of RE projects: Design, technical and financial studies, inspection and reception of power plants</li> <li>- Access to R&amp;D infrastructure</li> <li>- Training Services</li> <li>- Technology adaption to the local context</li> <li>- Development of local conditions oriented RE technologies and solutions</li> </ul>
Examples of accomplishments	<ul style="list-style-type: none"> <li>- 1MWe CSP-ORC pilot plant;</li> <li>- H2020 ORC-PLUS project;</li> <li>- H2020 MinWaterCSP project;</li> <li>- FP7 – REELCOOP</li> <li>- DEMOSTENE</li> <li>- ElecServices for Electric Mobility in Morocco</li> <li>- The Green and Smart Building Park</li> <li>- 400 Kwc PV Plant</li> <li>- Solar &amp; Wind Cartography Resources</li> </ul>
Company strategic orientation	<ul style="list-style-type: none"> <li>- Support the Moroccan energy transition through research and development projects and activities</li> <li>- Knowledge transfer to Moroccan and African universities and industrials</li> <li>- Support Moroccan and African start-ups active in RE sector</li> <li>- Technology adaption to the local context</li> <li>- Create synergies between research infrastructures with local and international partners</li> <li>- Ensure the definition of research axes, pilot projects and manage a network of partners at national and international level</li> <li>- Set up an offer of initial and continuous vocational training adapted and reoriented for all actors and future partners such as designers, installers, operators, in the fields of solar energy management and renewable</li> </ul>



	energies
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<b>SECTION 2: Partner of Interest</b> <i>(Please provide a brief summary of the prospective partner company or organization. This summary may address some or all of the points below)</i>	
Profile of ideal technology partner	Industrial partner active in smart grids and intelligent energy
Core technological competencies and expertise	Smart Grids, Microgrids, Renewable Energy Management Systems
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	N/A
If you are interested in collaboration: please specify details and other important information you want to share with a potential company	<p>There is an opportunity to work on a demonstration project in a village located in the south of Morocco with the engagement of the village habitants and authorities. The village could be a testbed for the design of microgrids for the Moroccan and African context. The village is already equipped with PV installations and a water pumping system. Furthermore, the village is supplying clients with very different consumption behaviors (administration building, Mosque, etc.) .</p> <p>The project could address the identification of the best control strategies, business models and components of microgrids for the local context with/without connection to the local grid.</p>
Interested areas of collaboration	Smart Grids, Energy Management System, Microgrids.
Specific R&D contribution you are	Expertise on the design and operation of

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seeking/offering	Microgrids with innovative control strategies based on solar energy, Genset and other energy sources.
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Signature

Name: Benazzouz Aboubakr

Date: 03/11/2019