

**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>	10-11-2021
<b>Company name:</b>	<ul style="list-style-type: none"> <li>• Faculté des Sciences, Université Cadi Ayyad Marrakech</li> <li>• Escuela de Ingenierías Industriales, Universidad de Valladolid</li> </ul>
<b>Contact person and title/ designation:</b>	<ul style="list-style-type: none"> <li>• Abdelkader Outzourit, Professor, Laboratory for materials, Energy and Environment, Centre d'Analyse et de Caractérisation (CAC)</li> <li>• Miguel Angel Gonzalez, Catedrático de Física de la Materia Condensada. Departamento de Física de la Materia Condensada</li> </ul>
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<b>Mobile number:</b>	00212707744098
<b>Website:</b>	

**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	Research and Education
Company mission or core functions	
Date of establishment	
Ownership (if public and traded, add stock exchange and ticker symbol)	Dpt. Of Physics Condensed Matter Universidad de Valladolid (UVa)
Total number of employees	
Number of employees in R&D	
Key products sold or services provided	

Company core technical competences	
Key R&D programs and activities	<ul style="list-style-type: none"> <li>• Nuclear Magnetic Resonance</li> <li>• X Ray Diffraction</li> <li>• Scanning electron microscopy (sem)</li> <li>• Surface Analysis</li> <li>• Semiconductors characterization, Photovoltaic Energy, Silicon</li> </ul>
Examples of accomplishments	<ul style="list-style-type: none"> <li>• Common projects with private corporations. 2018-2021- RTC-2017-6712-3 DoctorPV-Desarrollo de herramientas Optimizadas de operaci3n y mantenimiento pRedictivo de Plantas fotoVoltaicas. (Naturgy, Iberdrola Renovables, Maetel, Visiona, CIRCE, Universidad de Navarra) 2021-22- Desarrollo de una herramienta operativa para la medida diurna de la electroluminiscencia sobre strings de m3dulos de Si cristalinos y opcionalmente su adaptaci3n a sistemas bifaciales (Enertis)</li> </ul>
Company strategic orientation	

## 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	Company directly related to the photovoltaic energy sector or user of this energy
Core technological competencies and expertise	
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	

<p>If you are interested in collaboration: please specify details and other important information you want to share with a potential company</p>	<p>Looking for a partner interested in carrying out a project in Morocco, within the framework of the CDTI call, related to photovoltaic energy, in collaboration with a Moroccan research center and a Spanish one. Both institutions have significant creditable experience in the development of public-private projects.</p>
<p>Interested areas of collaboration</p>	<ul style="list-style-type: none"> <li>• Intelligent tools for the maintenance of photovoltaic plants</li> <li>• On-site inspection techniques for photovoltaic plants (Electroluminescence with InGaAs and Silicon cameras on drones and on the ground, termography, IV-curves)</li> <li>• Reuse of solar panels and batteries</li> </ul>
<p>Specific R&amp;D contribution you are seeking/offering</p>	<ul style="list-style-type: none"> <li>• Development of intelligent tools for the optimization of the performance of photovoltaic plants</li> <li>• Development of new on-site inspection techniques for photovoltaic plants, diagnosis and identifications off solar panel defects</li> </ul>

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**Signature**

**Name: Miguel Angel González Rebollo**

**Date: 10-11-2021**