

# JUNIOR MASTER TECHNICIAN (Maintenance)

**Position offered: Junior Master Technician in Pilot Plants**  
**Offer Date: WEB Publication**  
**Project: CIIAE - Ref TMJ1-3-06\_24 PLANTA PILOTO**  
**Department: Pilot Plants**  
**Expected date of incorporation: 4th quarter 2024**

<b>Workplace:</b>	University of Extremadura. Caceres Campus.	
<b>Tasks to be developed:</b>	<p>Analysis and in-depth understanding of the specifications and expected characteristics of the CIIAE pilot plants.</p> <p>Optimize maintenance activities and equipment operating conditions.</p> <p>Proposal and implementation of improvements in pilot plants and their auxiliary systems (electrical, hydraulic, pneumatic, mechanical, electromechanical, refrigeration, etc.) according to their performance and operational needs.</p> <p>Preparation of maintenance manuals for the different equipment and plants.</p> <p>Recording of interventions on equipment and systems.</p> <p>Elaboration of the annual maintenance plan for buildings, facilities and pilot plants.</p> <p>Preparation and review of the list of critical spare parts in stock.</p> <p>Follow-up of the construction, assembly and commissioning of the plants.</p> <p>Training in the O&amp;M of plants.</p> <p>Design of work plans and safety protocols.</p> <p>Drafting of technical documentation.</p> <p>Review of plant safety and regulatory compliance.</p> <p>O&amp;M of plants, workshops, laboratories and offices.</p> <p>Workshop and prototyping work.</p> <p>Proposal of equipment and operational improvements.</p>	
<b>Duration of the contract and salary (per annum):</b>	Temporary Contract Initial duration: September 2025, with the possibility of extension	Annual Gross Base Salary: €32,572.54
<b>Academic background required:</b>	Engineer (Pre-Bologna) or Bachelor's Degree in Engineering with a Master's Degree. (Preferably of Industrial, Mechanical, Electrical, Electronic or Chemical specialties).	
<b>Other education:</b>	Candidates who expect to obtain the required academic qualification by September may apply for this position, being a necessary condition for a possible incorporation to have applied for the official qualification before October.	
<b>Professional experience:</b>	Not required. It will be valued.	
<b>Job requirements (have to be fulfilled):</b>	Specific techniques (analytical, software, calculations, prototyping, etc.)	It will be valued.
	Participation and / or collaboration in R&D&i / business projects	It will be valued.
	Experience in Research Centers / Companies	It will be valued.

## JOB OFFER

	Languages	Oral and written communication in English, level B2 or higher. Knowledge of Spanish level B2 or higher.
	Cross-cutting competences	Manual dexterity and problem solving skills. Demonstrated ability to work in a team and network. Communication skills. Proactive, organized and creative person. Adaptability to the workplace and job position.
	Willingness to travel and stay abroad	Yes, occasionally.
	Publications: scientific articles (in journals indexed in Web of Science and/or Scopus), theses (PhD and/or master's degree), conference presentations, reports, technical reports, technical guides, etc.	N/A

### To be evaluated (adds points to the final evaluation):

Letter of motivation to be included in the application.  
 Knowledge and experience in maintenance techniques, and specifically in CMMS, ideally connected with BIM.  
 Interpretation of schematics and drawings.  
 Expertise, in training and/or experience, in the center's areas of work, especially in Hydrogen and Power-to-X, power electronics, electrochemical storage, heat generation and transfer, and thermal storage.  
 Experience in energy storage or in the design, construction, operation or maintenance of power or industrial plants (preferably in the energy sector).  
 Workshop and/or FabLab experience.  
 Knowledge and experience in software and languages commonly used in industry, modeling and research (Excel, Power BI, Matlab, Simulink, Simscape, Autocad, Revit, Hyperworks, SolidWorks, PSSE, Python, etc.).  
 Other technical training in relation to the area: courses, master's degree, specialization, etc.  
 Stays in other research centres or R+D departments.  
 Knowledge of other languages, especially Portuguese.  
 Experience in establishing collaborative relationships with industry or in scientific-technical areas linked to Research and Development or Transfer activities and projects.  
 Participation and/or collaboration in R+D+i / business projects.

### Selection process details:

**Technical Test: Oral knowledge test** YES  NO

**LANGUAGE: ORAL** YES  NO  (Will be evaluated during the interview)

**JOB INTERVIEW:** YES  NO

### Interested candidates:

Send all the necessary documentation required in the TERMS AND CONDITIONS OF THE CALL and the JOB OFFER, as well as the ADMISSION APPLICATION. Maximum date: 15 calendar days from the day following publication on the WEB, indicating **Ref TMJ1-3-06\_24 PLANTA PILOTO**.

## JOB OFFER

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