

Junior Master's Technician Pilot Plant (Process/Chemist Engineer)

Position:	Junior Master's Technician Pilot Plant		
Reference:	TMJ (PLANTAS PILOTO)		
Professional category:	Junior Master Technician	Quotation group:	
Work Center:	University of Extremadura. Cáceres Campus		
Number of places:	1	Reservation percentage, if applicable:	
Department:	PILOT PLANTS		
Offer date:	WEB Publication	Deadline for submitting bids:	15 calendar days, starting from the day after publication on the WEB
Application for participation:	Published together with the present call	Application submission method for candidates :	Applicants must send all the documentation from point 5 of the terms and conditions, indicating Ref. TMJ (PLANTAS PILOTO) In addition to the mandatory documentation listed above, the following will be considered: -Motivation Letter (maximum 2 pages)
Documents to accompany the application:	The related documents in point 5 of the Terms and Conditions of the call for applications		
Contact information for submitting applications	FUNDECYT-PCTEX (Science and Technology Park Building), Research Avenue, s/n, PCTEX Building, University of Extremadura Campus - 06006 Badajoz (Spain) Email: ciae.personal@fundecyt-pctex.es www.fundecyt-pctex.es www.ciae.org		
Estimated start date:	2º quarter of 2026	Probation:	2 MONTHS
Waiting list	Yes, according to the regulations in points 9 and 10 of the Call for Proposals		
Conditions and requirements for applicants:	Those established in point 4 of the Call for Proposals		
Members of the selection committee:	President: Octavio Manuel Castro García		
	Secretary and member: Lucía Cordon Masero		
	Member: Rosa María Ladera Gallardo		

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	Member: Rafael Rodríguez-Pina Higuera		
	Member: Rafael Quevedo Sánchez		
Tasks to be developed:	<ul style="list-style-type: none"> Monitoring the construction, assembly, and commissioning of pilot plant facilities. In-depth analysis and understanding of the specifications and expected characteristics of the CIIAE pilot plants. Supervision of process implementation in the plant, ensuring compliance with environmental and safety regulations. Design, optimization, and improvement of processes aimed at maximizing efficiency and minimizing operational costs, including emission control and waste reduction. Identification and implementation of improvements in pilot plants and their auxiliary systems according to operational performance and requirements. Conducting risk analyses and technical and economic feasibility studies of processes. Preparation and optimization of operating and maintenance procedures for plants and equipment. Recording interventions carried out on equipment and systems. Collaboration in the preparation and monitoring of the annual maintenance plan for facilities and pilot plants. Training in the operation and maintenance (O&M) of the plants. Participation in the design of work plans and safety protocols. Review of plant safety and regulatory compliance. Preparation of technical documentation, analysis of results, and report writing. 		
Required academic qualifications:	Master's degree (or equivalent) in Engineering (Industrial, Energy, Industrial Technologies, Chemical Engineering, or related fields).		
Another formation:	-		
Contract duration:	Permanent scientific-technical contract under Article 23 bis of Law 14/2011, linked to project funding and initially expected to run until 31 December 2027		
Remuneration:	<u>Gross Salary</u> 34.295,84 €	Financing:	In accordance with point 1 of the terms of the call
Details of the selection process:			
<ul style="list-style-type: none"> - Technical test: NO - Language: YES (will be assessed during the interview) 			

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- Job interview: YES	
Evaluation: evaluable criteria and sub-criteria	MERIT AND CURRICULAR ASSESSMENT PHASE (COMPETITION): up to 60 points
	<p>CRITERION 1.1. Certification of the required academic degree (20 points)</p> <p>CRITERION 1.2. At least 3 years of professional experience in industrial or laboratory environments, preferably in pilot-scale or demonstration facilities. Experience in the energy sector, waste valorization or recycling will be particularly valued, as well as experience in the commissioning, operation, and optimization of pilot plants (15 points).</p> <p>CRITERION 1.3. Technical competencies in process engineering, particularly in the center's areas of work, with demonstrable experience in the design, analysis, and optimization of industrial processes, improvement of operational efficiency, cost reduction and quality improvement, as well as in the preparation of technical documentation such as procedures, reports, P&IDs, and mass and energy balances (10 points).</p> <p>CRITERION 1.4. Knowledge and practical experience with simulation tools and specialized software (e.g., Aspen Plus, HYSYS, MATLAB, MetSim...) (5 points).</p> <p>CRITERION 1.5. Familiarity with and knowledge of industrial safety and occupational health regulations and quality standards (ISO or others) (2.5 points).</p> <p>CRITERION 1.6. Knowledge and experience in preventive and corrective maintenance of process equipment, as well as the use of CMMS systems for the planning, monitoring, and recording of maintenance interventions (2.5 points).</p> <p>CRITERION 1.7. Motivation letter (5 points).</p>
	INTERVIEW PHASE (COMPETITIVE EXAMINATION): up to 40 points
	<p>CRITERION 2.1. Suitability with regard to the knowledge, professional experience, and technical requirements required for the position, as well as the ability to apply such knowledge to practical situations related to the duties of the role (12 points).</p> <p>CRITERION 2.2. Analytical skills, critical thinking, and technical problem-solving abilities, together with initiative, proactivity, and autonomy in task development. The ability to work both as part of a team and independently, while effectively managing priorities and workload, will also be valued (12 points).</p> <p>CRITERION 2.3. Candidate's interest in joining the organization and in performing the advertised position. Ability to adapt to innovative and dynamic work environments. Availability for occasional travel (8 points).</p> <p>CRITERION 2.4. Communication skills in English and Spanish (8 points).</p>

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The Authority: José Luis Canito Lobo, Managing Director, FUNDECYT-PCTEX

Signature: Badajoz, on the date of the electronic signature.