

Level 2 Technician

Position:	Level 2 Technician associated with the project Development, modeling, and optimization of phase change materials and other thermal energy storage systems (THERM-Caps).		
Projects:	THERM-Caps (expediente 2025/55704V)		
Professional category:	Level 2 Technician	Quotation group:	
Work Center:	University of Extremadura. Cáceres Campus		
Number of places:	1	Reservation percentage, if applicable:	
Department:	THERMAL ENERGY STORAGE		
Offer date:	DOE Publication	Deadline for submitting bids:	15 calendar days, starting from the day after publication in the DOE (Official Gazette of Extremadura)
Application for participation:	Annex I of the terms of the call.		Application submission method for candidates : Applicants must send all the documentation from point 5 of the terms and conditions, indicating <u>Ref. T2- THERM-Caps (THERMAL STORAGE)</u> In addition to the mandatory documentation listed above, the following will be considered: -Motivation Letter (maximum 1 page)
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 Telephone : +34 927 690 042 Ext. 107 www.fundecyt-pctex.es www.ciae.org		
Estimated start date:	April 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 <u>point 4</u> of the Call for Proposals <u>Training contract for obtaining professional practice</u> . Such contract must be concluded within three years following the completion of the studies required under this call for applications (section “Required academic qualifications”).		

OFERTA DE TRABAJO

	<p>Recruitment aimed at unemployed young people under 30 years of age.</p> <p>At the time of hiring, they must be registered in the National Youth Guarantee System File as job seekers and registered in the Autonomous Community of Extremadura.</p>		
Members of the selection committee:	President: Breogán Pato Doldán		
	Secretary and member: Lucía Cordón Masero		
	Member: Kashif Mushtaq		
	Member: Daniel López Pedrajas		
Tasks to be developed:	<ul style="list-style-type: none"> • Literature review on the prototyping of thermal batteries and PCM encapsulation systems. • Literature review on potential PCMs studied for the intended application. • Preparation of a report compiling all relevant information obtained. • PCM selection through multicriteria analysis. • Characterization of the selected PCM. • Conceptual design and generation of alternative modular PCM capsule designs. • Selection of the final design. • Detailed modeling of the modular PCM capsule. • Preparation of the simulation environment. • Execution of multiphysics simulations. • Design iterations. • Writing of reports, research articles, and conference contributions 		
Required academic qualifications:	University title in Mechanical Engineering, Industrial Engineering, Energy Engineering, Industrial Technologies, Chemical Engineering, or related fields (science-based).		
Another formation:	Courses or qualifications in English, 3D modeling, and CFD and multiphysics simulation.		
Contract duration:	12 months		
Remuneration:	<u>Gross Salary + Social Security Contributions:</u> €35,732.36	Financing:	Junta de Extremadura, co-financed by the European Social Fund Plus (ESF+), under the European Social Fund Plus Extremadura 2021-2027 Programme, co-financed at 85%
Details of the selection process:			
<ul style="list-style-type: none"> - Technical test: NO - Language: YES (will be assessed during the interview) - Job interview: YES 			
Evaluation: evaluable criteria and sub-criteria	MERIT AND CURRICULAR ASSESSMENT PHASE (COMPETITION): up to 60 points <ul style="list-style-type: none"> • Academic qualification (30 points) 		

OFERTA DE TRABAJO

	<ul style="list-style-type: none"> • Experience in the physical, thermal, and chemical characterization of PCMs (5 points) • Experience in 3D modeling and CFD and multiphysics simulation (5 points) • Experience in the use of tools for data modeling and analysis (5 points) • Participation in R&D&I projects (e.g., BSc/MSc thesis in research) (5 points) • Motivation letter (10 points)
	INTERVIEW PHASE (COMPETITIVE EXAMINATION): up to 40 points
	<ul style="list-style-type: none"> • Suitability of knowledge, experience, and other required qualifications (12 points) • Competence, aptitude, skills, and abilities: ability to work in a multidisciplinary team, ability to work independently, and critical thinking (12 points) • Communication skills in English and/or Spanish (6 points) • Interest in integrating into the organization and in performing the duties of the advertised position (10 points)

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Email: ciiie.personal@fundecyt-pctex.es Telephone : +34 927 690 042 Ext. 107

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