

CALL FOR APPLICATIONS: Laboratory and Workshop Technician

Job/position/grant:

Job reference:	AE2024-0157 (ATE - CAP) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	Laboratory and Workshop Technician
City:	Porto
Research field:	Main: ENGINEERING, TECHNOLOGY Sub: Electrical engineering, Electronic engineering, Industrial engineering, Optronics

Job summary:

INESC TEC is accepting applications for 1 RESEARCHER job in the Development of prototypes with integrated optoelectronics for implementation in an industrial environment	
Project:	Alliance for Energy Transition
Scientific Advisor:	Luís Carlos Coelho
Duration of the contract:	from 2024-06-01 to 2025-05-31, eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Development of prototypes with integrated optoelectronics for implementation in an industrial environment
Project overview:	It is part of a project that aims to develop and implement optical sensors in an industrial context. Different types of sensors will be applied to monitor the curing of concrete structures that will support offshore wind turbines, the quality of the surrounding water and gas distribution systems. This grant is intended to support the manufacturing of the various sensors to be developed, for testing and implementation in an industrial environment.
Objectives:	The candidate will carry out a wide range of activities including: <ul style="list-style-type: none">- Design of electronic circuits and manufacturing of printed circuit boards;- Control of lighting sources, water circulation pumps, valves, etc.;- Programming different types of microcontrollers and microprocessors;- Packaging of the produced sensors;- Development of prototypes;- Handling gases and liquids systems.

Academic Qualifications:	Have completed a Bachelor's Degree or Professional Technical Course in Electrical/Electronic Engineering or equivalent
Minimum profile required:	Advanced knowledge in: <ul style="list-style-type: none">- Analog and digital electronics;- Programming languages;- Microcontroller programming, data analysis, communication and control.
Preference factors:	Knowledge of optoelectronic systems. Experience in CAD design and 3D printing for prototyping.

Funding Entity:	ATE funded by IAPMEI with reference 56 Co-financed by Component 5 - Capitalization and Business Innovation, integrated in the Resilience Dimension of the Recovery and Resilience Plan within the scope of the Recovery and Resilience Mechanism (MRR) of the European Union (EU), framed in the Next Generation EU, for the period 2021 - 2026.
Type of contract:	fixed-term contract The hiring shall be governed by what is stipulated in the legislation in force regarding fixed-term employment contracts and by INESC TEC norms.

Selection criteria:	The selection of the candidates will be based on the following criteria, in descending order of consideration: <ul style="list-style-type: none">a) Relevant Curriculum in the concerned field of this tenderb) Proven experience (if applicable).
Disability Incentive:	Candidates who present a degree of disability equal to or greater than 90% will benefit from an incentive (20) in the score of the CV Assessment. Candidates who present a degree of disability equal to or greater than 60% and less than 90% will also benefit from an incentive (10) in the score of the CV Assessment. Said score may, in these cases, exceed 100 points. Candidates must demonstrate the degree of disability during the application, namely through the submission of the Multi-Purpose Medical Certificate of Disability, issued in accordance with Decree-Law no. 202/96 of October 23 - currently in effect. Candidates must declare, in the application form, if they have a disability used throughout the selection process, in order to proceed with the required adaptations.

Selection Jury:	President of the Jury: Luís Carlos Coelho; Member: José Almeida; Member: João Pedro Mendes;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2024-05-02 to 2024-05-15
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us