

## CALL FOR APPLICATIONS: RESEARCHER

### Job/position/grant:

<b>Job reference:</b>	AE2023-0256 ( Vine&Wine_PT - CPES ) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
<b>Job/position/grant:</b>	RESEARCHER
<b>City:</b>	Porto
<b>Research field:</b>	Main: ENGINEERING,COMPUTER SCIENCE,MATHEMATICS Sub: Computer engineering,Electrical engineering

### Job summary:

<b>INESC TEC is accepting applications for 1 RESEARCHER job in the Industry - Energy Efficiency</b>	
<b>Project:</b>	Vine and Wine Portugal - Driving Sustainable Growth Through Smart Innovation
<b>Scientific Advisor:</b>	Conceição Nunes Rocha
<b>Start Date:</b>	2023-09-01
<b>Location:</b>	INESC TEC, Porto, Portugal

### Job description:

<b>Work Area:</b> Industry - Energy Efficiency
<b>Project overview:</b> The Vine & Wine PT project aims to investigate and develop an energy management system that incorporates the consumption profile of wine production equipment, the profile of renewable energy generation and the cost of energy in decision-making, with the aim of reducing the energy consumption and minimize production cost.
<b>Objectives:</b> Development of a methodology that combines a flexibility audit of energy-intensive processes, simulation, and optimisation of the production process. Development of algorithms for strategic planning and scheduling of production.

<b>Academic Qualifications:</b>	Master's degree in applied mathematics, physics, computer science, electrical and computer engineering or industrial engineering or similar.
<b>Minimum profile required:</b>	Basic knowledge about energy efficiency and optimization. Programming skills (Python or C++).
<b>Preference factors:</b>	Knowledge in operations research. Experience with software and API development.

<b>Funding Entity:</b>	Vine&Wine_PT funded by IAPMEI with reference 67 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.
<b>Type of contract:</b>	Uncertain term contract The hiring shall be governed by what is stipulated in the legislation in force regarding uncertain term employment contracts and by INESC TEC norms.

<b>Selection criteria:</b>	The selection of the candidates will be based on the following criteria, in descending order of consideration: a) Relevant Curriculum in the concerned field of this tender b) Proven experience.
<b>Selection Jury:</b>	President of the Jury: Prof. Conceição Nunes Rocha; Member: Prof. David Emanuel Rua; Member: Prof. Ricardo Jorge Bessa;
<b>Notification of results:</b>	The results of the selection process will be sent to the interested by electronic mail.
<b>Application period:</b>	From 2023-07-13 to 2023-08-11
<b>Application submission:</b>	Electronic form filling in <a href="http://www.inesctec.pt">www.inesctec.pt</a> in the section <a href="#">Work with Us</a>