

## CALL FOR APPLICATIONS: RESEARCHER

### Job/position/grant:

<b>Job reference:</b>	AE2022-0094 ( MAGPIE - 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 Sub: Electrical engineering

### Job summary:

<b>INESC TEC is accepting applications for 1 job in the Energy Systems</b>	
<b>Project:</b>	sMArt Green Ports as Integrated Efficient multimodal hubs
<b>Scientific Advisor:</b>	Zenaida Mourão
<b>Duration of the contract:</b>	from 2022-04-11 to 2023-04-10, eventually renewable.
<b>Location:</b>	INESC TEC, Porto, Portugal

### Job description:

<b>Work Area:</b> Energy Systems
<b>Project overview:</b> Specification of digital tools based on microservices Development of SW modules for backend and frontend Integration of algorithms and mathematical models Validation and testing of systems
<b>Objectives:</b> The EU MAGPIE Project will develop digital solutions for energy management and emissions management in European ports such as Rotterdam and Sines that will be integrated into the so-called digital twin in order to allow the management of the various systems optimally so that it is possible to ensure the decarbonisation of its operation until 2050. State-of-the-art backend and frontend solutions will be developed, anchored in a reference architecture that will support the implementation of semantic models that ensure interoperability between the different digital systems of

<b>Academic Qualifications:</b>	Master or bachelor degree in Electrical and Computer Engineering or Computer Science, Informatics, or similar.
<b>Minimum profile required:</b>	Advanced knowledge in digital tools and platforms (e.g., docker, kubernetes, etc.) Experience in digital systems integration Advanced programming knowledge.
<b>Preference factors:</b>	Experience in using software development and production tools Skills in implementing digital twin systems. Fluency in English and Portuguese (written and spoken).

<b>Funding Entity:</b>	funded by CE, project (reference 101036594)
<b>Type of contract:</b>	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.	

<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. Zenaida Mourão; Member: Prof. José Villar; Member: Prof. David Emanuel Rua;
<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 2022-03-09 to 2022-03-22
<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>