

CALL FOR APPLICATIONS: RESEARCHER

Job/position/grant:

Job reference:	AE2022-0147 (MAGPIE - CPES) INESC TEC - Instituto de Engenharia de Sistemas e Computadores, Tecnologia e Ciência
Job/position/grant:	RESEARCHER
City:	Porto
Research field:	Main: ENGINEERING Sub: Electrical engineering

Job summary:

INESC TEC is accepting applications for 1 job in the Energy Systems	
Project:	sMArt Green Ports as Integrated Efficient multimodal hubs
Scientific Advisor:	Zenaida Mourão
Duration of the contract:	from 2022-06-23 to 2023-05-22, eventually renewable.
Location:	INESC TEC, Porto, Portugal

Job description:

Work Area:	Energy Systems
Project overview:	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
Objectives:	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

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

Funding Entity:	funded by CE, project (reference 101036594)
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: a) Relevant Curriculum in the concerned field of this tender b) Proven experience.
Selection Jury:	President of the Jury: Prof. Zenaida Mourão; Member: Prof. José Villar; Member: Prof. David Emanuel Rua;
Notification of results:	The results of the selection process will be sent to the interested by electronic mail.
Application period:	From 2022-05-04 to 2022-06-05
Application submission:	Electronic form filling in www.inesctec.pt in the section Work with Us