

**INESC TEC | Research Grant (AE2024-0462)**  
**INESC TEC**

Direct Link: <https://www.AcademicKeys.com/r?job=248162>

Downloaded On: Nov. 15, 2024 3:23am

Posted Nov. 4, 2024, set to expire Mar. 6, 2025

<b>Job Title</b>	INESC TEC   Research Grant (AE2024-0462)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Nov. 4, 2024
<b>Application Deadline</b>	Nov. 30, 2024
<b>Position Start Date</b>	Oct. 31, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Electrical and/or Electronics Engineering - Other
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<b>Job Description</b>	

Research Opportunities

**Electrotechnical Engineering - Energy modelling in ports**

**Work description**

- Identify and select the physical models that will serve as the basis for developing the energy consumption models, for example, for the Onshore Power Supply;
- Development of the algorithms that will allow the modelling of the consumption of the different assets and equipment that support the ports' logistics activities.

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- Python implementation of the developed algorithms.
- Supporting the integration of the modules developed into energy management platforms and tools for ports.
- Prepare a scientific report on activities and write scientific articles.

### Minimum profile required

- Basic knowledge of energy systems, namely demand models for different sectors and integration with decarbonized energy vectors;
- Knowledge of the Python programming language, or similar;
- Fluency in English (written and spoken);

### Preference factors

- Experience in developing energy consumption models in ports environment.
- Programming skills in Python or similar;
- Knowledge of decarbonization plans at European and national level.

### Application Period

Since 31 Oct 2024 to 30 Nov 2024

### Centre

Power and Energy Systems

### Scientific Advisor

[Tiago André Soares](#)

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### What we offer

- **Multicultural and collaborative environment**
- A multicultural, international and collaborative environment that makes it easier to exchange ideas, work in networks and create synergies.
- **International projects**
- The possibility of working in international projects with some of the most important companies in the field.
- **Mentoring**
- Mentoring with the best researchers in the fields of electrical and industrial engineering, bioengineering, information technology and physics.
- **Self Improvement**
- The possibility of participating in international conferences, workshops, seminars and vocational training.
- **Other Benefits and Perks**
- Flexible working time, health insurance, discounts in hotels, transportation, etc.
- **Informal Events**
- Annual informal events, such as the multicultural party.

For more information: [Click Here](#)

### Contact Information

Please reference Academickeys in your cover letter when applying for or inquiring about this job announcement.

#### Contact

Portugal

**Contact E-mail**    rh@inesctec.pt