

## INESC TEC | RESEARCHER (AE2024-0035) INESC TEC

Direct Link: <https://www.AcademicKeys.com/r?job=229427>

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Posted Jan. 25, 2024, set to expire May 26, 2024

<b>Job Title</b>	INESC TEC   RESEARCHER (AE2024-0035)
<b>Department</b>	CPES
<b>Institution</b>	INESC TEC PORTO, , Portugal
<b>Date Posted</b>	Jan. 25, 2024
<b>Application Deadline</b>	Feb. 24, 2024
<b>Position Start Date</b>	Jan. 25, 2024
<b>Job Categories</b>	Graduate Student
<b>Academic Field(s)</b>	Engineering - Other Energy Technology
<b>Apply Online Here</b>	<a href="https://www.inesctec.pt/en/opportunities/energy-transition-in-ports-AE2024-0035">https://www.inesctec.pt/en/opportunities/energy-transition-in-ports-AE2024-0035</a>
<b>Apply By Email</b>	
<b>Job Description</b>	

Research Opportunity

# Energy transition in ports

## Work description

-Studies and modelling of energy management systems in ports;

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- Analysis of the integration of distributed energy resources in the electrical network of the ports;
- Studies of the technical operation of the electrical network of the ports;
- Development of energy management and dispatch tools in ports, including their integration into the NEXUS platform;
- Simulation, testing and validation of the developed models;
- Writing technical documentation of activities.

### **Academic Qualifications**

Bachelor or Master electrical and computer engineering or related areas

### **Minimum profile required**

- Advanced knowledge in the development of algorithms for automatic control and optimization of energy systems;
- Knowledge of programming languages;
- Fluency in English (written and spoken);

### **Preference factors**

- Experience in developing algorithms for optimization and control of energy management systems;
- Experience in the Python programming language.
- Knowledge in API development;
- Knowledge of backend and frontend programming.

### **Application Period**

Since 25 Jan 2024 to 24 Feb 2024

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**Cluster / Centre**

Power and Energy / Power and Energy Systems

**Scientific Advisor**

Tiago André Soares

**Contact Information**

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

**Contact**

Portugal

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