INESC TEC | Technical Staff (AE2025-0393)
INESC TEC

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Job Title	INESC TEC	Technical Staff (AE2025-0393)
Department	CPES
Institution	INESC TEC
	PORTO, , Portugal
Date Posted	Sep. 18, 2025
Application Deadline	Sep. 19, 2025
Position Start Date	Sep. 8, 2025
Job Categories	Graduate Student
Academic Field(s)	Engineering - Other
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Job Description	

Opportunities

Software Engineering and API Development for Power Systems

Work description

The work focuses on the development and integration of software components within the NEXUS project. Core activities include the design and implementation of APIs for several tools, such as grid operation, load forecasting, PV and wind forecasting, and load simulator.

The tasks also cover server deployment, the development of an intuitive and dynamic dashboard, and

ensuring seamless interaction between the APIs and the NEXUS platform. The activities also include coordinating the work with the in-fabric software team of the Centre for Power and Energy Systems (CPES). Additionally, the role involves simulation, testing, and validation, as well as preparing technical documentation, reports, and scientific publications.

Academic Qualifications

- Electrical engineering, computer science, applied mathematics, computer science, or similar.

Minimum profile required

- Basic knowledge in the development of APIs.
- Knowledge in the Python programming language.
- Fluency in English (written and spoken).

Preference factors

- Experience in the Python programming language.
- Knowledge in API development.
- Knowledge in docker containers.
- Knowledge of backend and frontend programming.

Application Period

Since 08 Sep 2025 to 19 Sep 2025

Centre

Power and Energy Systems

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Scientific Advisor

Tiago André Soares

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.

For more information: Click Here

Contact Information

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Contact

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