




Company Description

Fuelium is a startup company that commercializes eco-friendly paper-based battery technologies to power portable electronic devices from sectors such as in-vitro diagnostics, veterinary, agro-food, environmental monitoring and smart packaging.

Information

 Deadline: 2025-03-31
 Category: Business
 Province: Bizkaia

 Country: Basque Country
 City: Leioa

Company

Fuelium



Main functions, requisites & benefits

Main functions

Fuelium offers a full-time Junior Engineer Position to support the research activities in Bilbao, Bizkaia within the context of the project "Fit-to-purpose portable power source for sustainable electronic devices - RETROFIT" - reference CPP2023-010864 supported by Ministerio de Ciencia, Innovación y Universidades, Agencia Estatal de Investigación and FEDER, EU, (MICIU/AEI/10.13039/501100011033/ FEDER, UE). RETROFIT Project aims to develop small-scale portable batteries with enhanced performance and universal form factors using ecodesign strategies to meet the life cycle of the product they are powering, addressing all key stages of the value chain such as raw materials selection, manufacturing, operation and end-of-life. In this way, portable battery development will have sustainability as main priority, representing a change of paradigm with respect to current criteria based on performance and production costs. Job Description: We are looking for an engineer who can support the project in design, fabrication and testing of batteries and electronic circuits. The engineer will be participating in specific development tasks, as well as diverse lab management duties and collaborative work. Key Responsibilities: To develop sustainable batteries and minimalistic electronic devices. To prototype components and systems using additive manufacturing and rapid prototyping techniques. To design and fabricate PCB circuits. To program open-source single-board microcontrollers. To provide support in implementation and maintenance of manufacturing equipment and processes.

Requisites

BSc in Electronics Engineering, Mechatronics, Applied Physics or related. Experience in electronic circuit design and analysis. Knowledge of portable energy storage systems and electronic device testing. The applicant must have excellent interpersonal and communication skills, as well as excellent written and oral command of English. Pro-active attitude and ability to work independently in an interdisciplinary team.

Benefits

2-year employment contract. Career advancement opportunities. An inspiring and dynamic research and innovation environment. Flexible working hours and remote work options. International collaboration network. Soft skill training on scientific writing, project management and technology transfer. Fuelium is committed to creating equal opportunities for people, independently of gender, culture, and race. Anyone with relevant qualifications is therefore strongly encouraged to apply for the position.