

	DEPARTAMENTO DIRECCIÓN GESTIÓN PERSONAS	www.leitat.org
	SELECCIONAMOS A:	
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BATTERIES RESEARCHER

LEITAT Technological Centre is member from TECNO network and recognized by the Economy and competitiveness Ministry. Our objectives aim to collaborate with companies and institution by bringing support and technological value for both product and processes. Our core activity is dedicated to research and development targeting industrial development and innovation. (<http://www.leitat.org/english/> and <http://ipo.leitat.org/>)

LEITAT Energy Storage team working group is involved in EU projects related to critical raw material free batteries ([ALISE](#), [LISA](#), [ALION](#), [POROUS4APP](#), [EnergyKeeper](#)) for e-mobility and stationary. We are participating to other projects on going related to printed batteries based on lithium and supercapacitor technologies ([GREENSENS](#), [PRESTIGE](#), [BASMATI](#), [NANOCATE](#)). The Energy Storage unit is currently involved in several private tenders related to applied electrochemistry, either material evaluation for storage, or battery technology assessment, where we are providing expertise and direct solution to industrial needs. Our team is composed by PhDs and MSc in electrochemistry. We are looking to consolidate our team within specific know how and knowledge on batteries and their integration for EV and stationary.

Primary functions

- R&D support for activities in progress.
- Laboratory activities related to the preparation of energy storage materials, components, systems and associated characterization will be led as a principal function.
- Redaction of new collaborative projects proposal, private tenders, and technical report.
- Batteries test for material and system prior integration
- Eventually modelling for technologies beyond lithium ion Generation 3

Technologies of interest:

- CRM free Batteries
- Self-Healing
- Metallic lithium-based anode

Education:

- MSC, Engineer or PhD Chemistry, electrochemistry, energies and materials associated.
- Battery electrical test engineer ideally with knowledge on material

Complementary Education:

Previous experience and/or relevant know-how in material and chemical processes for integration in electrochemical devices is mandatory, specifically in electrode casting and electrolyte formulation. Experience in battery electrochemical characterization will also be valued.

Job requirements:

1 year at least, ideally with previous relevant experience in industrial environment

Competencies and skills:

- Flexibility, Multitasking, Self-motivated.
- Comfortable to work in R+D laboratory and multi-cultural environment
- Comfortable to travels periodically across Europe
- Comfortable to report in English and eventually in Spanish either Catalan
- Comfortable to communicate on R+D activities and able to negotiate with customers

Languages:

Mandatory: Advanced English level.

Desirable: Spanish.

Software:

Mandatory: Basic Office

Desirable: MATLAB, C, VBA, simsCAP, simulink

What we offer:

- Start on September 2019
- Salary related to skills and background
- Flexible working hours based on 40 hours per week.
- Location: Terrassa