

JOB DESCRIPTION

Title	ELECTRO-CHEMICAL ENGINEER RESEARCH & INNOVATION
Sector	R & I
Status	Engineer
Objectives	<p>He/she will ensure the development of R&I activities in the field of lithium batteries, in line with the strategic plan and technical objectives.</p> <p>The position will consist in particular of:</p> <ul style="list-style-type: none"> - Participating in the proposal and writing of new R&I projects related to electrochemical energy storage (supercapacitors and/or lithium batteries). - Participation in project follow-up meetings with the partners/funders involved. - Participate in the proposal of new ways to develop technological bricks. - Develop new technology bricks. - Search and contact partners, suppliers, subcontractors to carry out the development and/or integration of new technological bricks/subcomponents. - Implement new physico-chemical characterization techniques for materials (particularly electrochemical). - manage a team dedicated to internal projects
Missions and activities :	<p><u>Activity 1: Technical Expert :</u></p> <ul style="list-style-type: none"> - Develop experimental protocols and implement the associated characterization methods. - Ensure the smooth running of experiments in the laboratory or at the various partners' sites. - Collect, process, analyze, interpret and communicate the results of the experiments. <p><u>Activity 2: Management of the activity:</u></p> <ul style="list-style-type: none"> - Identify the means necessary to achieve the technical objectives (laboratory equipment, characterization, partnership with academic laboratories/industrial partners). - Participate in the reporting of its activity and provide useful information to management. - Participate in the preparation of the budget for battery activities. - Management of partners and subcontractors. - Responsible for collaborative projects: project management <p><u>Activity 3: Technological and IP monitoring</u></p> <ul style="list-style-type: none"> - Keeping abreast of developments, scientific and industrial technical innovations (bibliography - industrial watch). - Participate in R&I team meetings. - Propose and participate in the creation of patents. <p>These activities are not exclusive. The jobholder may carry out additional activities within the scope of his/her job, to ensure the smooth running of the company and/or the department. The Electrochemist Engineer reports to the manager of the Electrochemistry Team.</p>

Technical Skills	INTITULÉ	NIVEAU ATTENDU
	General knowledge of physics and chemistry	
Electrochemistry / Energy storage (batteries and supercapacitors)		Advanced
Cyclic voltammetry, galvanometry, electrochemical impedance spectroscopy and potentiostat techniques.		Advanced
Materials analysis and electrochemical performance and intrinsic		Advanced
Complex problem solving and associated methodologies		Advanced
Project Management		Advanced
Written and Oral Communication in English		Advanced

Behavioural competencies	INTITULÉ	DESCRIPTION	NIVEAU ATTENDU
	Team Spirit	Ability to work and coordinate with others in the company in a trusting and transparent manner to achieve set objectives.	

	Synthetic mind set	E.g. Helping colleagues, knowing how to ask for help	Advanced
	Multiparameters analysis capabilities	Ability to follow company rules and codes; to carry out tasks accurately following procedures and instructions provided; to convey information accurately.	Advanced
	Rigour & Reliability	Be punctual, respect commitments.	Advanced
	Team Spirit	Ability to work and coordinate with others in the company in a trusting and transparent manner to achieve set objectives.	Advanced
	Transversality / Versatility / Flexibility	E.g. Helping colleagues, knowing how to ask for help	Advanced
	Communication skills	Ability to convey information clearly, to exchange, to listen actively, to receive information and messages and to be open-minded. Communicates courteously and positively with colleagues, superiors, team, Sense of Dialogue / sharing information and knowledge e.g. Being a good listener, being attentive to others	Advanced
Studies/Diploma	<p>Master's degree, engineering degree or doctorate or international equivalent</p> <p>Profile: beginner or 5-10 years of experience especially in industrial environment would be appreciated</p>		