

Job Title: Senior Process Engineer and Project Leader
Reporting to: Technical Director
Based: The Quadrangle, Romsey

Company Description

Ilika (www.ilika.com) is a pioneer in solid state batteries. The company has developed miniature thin-film solid state batteries for Internet of Things (IoT) applications and is now developing large format solid-state cells for electric vehicles.

Ilika is a publicly listed company with an operating base in Romsey. We offer the successful candidate a competitive package and the opportunity to be part of a world class team using state of the art equipment in a supportive environment.

The successful applicant will lead a 5+ person team of scientists/engineers/ technicians on an 18-month collaborative project to scale up Ilika's solid-state battery technology for manufacturing. The project will look at cost effective routes for scale up and our collaborators include a battery manufacturer, academic expertise for battery testing and an OEM.

Role Description

The Senior Process Engineer will cover a variety of battery manufacturing processes in Ilika's lithium-ion battery R&D operations. Design, develop and troubleshoot manufacturing processes and equipment. Internal operations expert, including the mechanical and chemical properties of the components that go into the manufacturing process lithium-ion cells.

Responsibilities:

- Lead a project team of dedicated scientists/engineers/technicians to deliver a cost-effective route for scale up of Ilika's solid state batteries;
- Strong liaison with collaborative project partners;
- Define and implement new processes and process improvements to develop a volume manufacturing approach at an acceptable price point;
- Create and maintain work instructions and documents (such as drawings, specifications control plans, process flow and process failure mode effects analysis (PFMEA));
- Troubleshoot and resolve processing issues for start-up and production, both internal process and those performed at outside vendors;
- Work with internal and external suppliers to ensure control and reliability of processing used for the production of lithium ion cells and components used within;
- Project coordination to drive collaboration with research, product and process engineering teams for root cause analysis and to ensure the implementation of robust processes;
- Support evaluations and qualifications of new suppliers, equipment and components for cost reduction.

To be successful in this role, you will possess the following:

- Minimum Bachelor's degree in Engineering (Mechanical, Chemical, Electrical Engineering, Materials Science);
- A solid foundation of process engineering and materials technology;
- Experience of leading multi-party projects to successful conclusion and be able to manage and empower a technical team;
- Industry experience (Lithium-ion battery experience is a plus);
- Individual drive and flexibility to work in a rapidly developing entrepreneurial environment;
- Resourceful;
- Strong attention to detail;
- Excellent interaction skills;
- Capability of rapidly integrating observations and results into development activities;
- Experience with Solid Works and Microsoft Project;
- Familiarity with computer based statistical analysis software;
- Good technical writing and communication skills;
- Green Belt or Black Belt in Lean Six Sigma preferred;
- Proficiency with Microsoft Office programs, including: Word, Excel, PowerPoint and Visio or equivalent;
- Work to deadlines and agreed service standards;
- Confidentiality.

Applicant must be eligible to work in the UK.

Ilika is an equal opportunities employer and positively encourages applications from suitably qualified and eligible candidates regardless of sex, race, disability, age, sexual orientation, gender reassignment, religion or belief, marital status, or pregnancy and maternity.

Contact: careers@ilika.com