Process Engineer- Battery Failure Analysis - **SAN JOSE, CA /** **BATTERY /** **FULL TIME**

Please note: Work is expected to be completed on-site, and employees are expected to comply with local and state regulations about the COVID-19 pandemic, including wearing a mask on-site, maintaining social distance, reporting symptoms, taking sick leave when necessary, and ensuring a clean and safe working environment.

To support our mission to reimagine the manufacturing process, you will join our Additive Manufacturing team to craft the operational procedures for developing the state-of-the-art 3D printer machine.

**Responsibilities**

·         Perform failure analyses and materials characterization to assess new materials and process

·         Design experiments for root cause analysis and conduct failure analysis of cells from in-house testing programs

·         Deliver high-quality technical reports to the R&D team

·         Design and execute material characterization test plans, and generate related reports

·         Identify the process obstacles and test various coating, calendaring, slitting, punching, and storage management to optimize the process of the  electrode

·         Statistically analyze experimental results and process data.

·         Attend and support regular project meetings, present and provide summary reports,

·         Operate and maintain characterization equipment (SEM, TGA, CT, DSC, XRD, …)

·         Follow all safety procedures, including handling hazardous chemicals and company policies and procedures.

**Required Skills/Experience**

·         Cell design (all component, cathode, anode, electrolyte) and evaluation experience is plus

·         Strong understanding of the electrochemistry of lithium-ion cells ,

·         Hands-on lab work, including chemical, powder, and materials handling

·         Demonstrated expertise in materials science and engineering, with a minimum of 5 years of experience

·         Strong background in test development and test equipment in battery cell testing

·         Interest in advanced technology and an ongoing desire to learn with an R&D attitude.

·         Must be able to take ownership, initiative, analytical, and thorough.

·         Organized, detail-oriented, and a team player.

**Preferred Skills/Experience**

·         Ph.D. degree or (+5 years of experience) in Materials Science, Mechanical Engineering, Chemistry, or a related field

·         Strong understanding of the electrochemistry of lithium metal anode

·         Cell design (all component, cathode, anode, electrolyte) and evaluation experience is plus

·         Hands-on lab work, including chemical, powder, and materials handling

·         Background in powder processing and sintering of low-high temperature cofired ceramics