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Only three rechargeable battery chemistries have been commoditized in the past two centuries. Natron Energy has delivered the fourth. Natron's products enable solutions for next-gen power services in multi-\$Billion markets including data centers, EV fast charging, materials handling, and renewables support. Natron's batteries offer breakthrough performance in three metrics critical to these markets: ultra high power capability including full discharge and recharge in minutes, an unmatched service life of tens of thousands of deep discharge cycles, and unique safety and fault tolerance including no thermal runaways. Natron's batteries are based on a new sodium-ion chemistry that includes Prussian blue electrodes, and are fabricated in existing lithium-ion plants. Natron launched its first product for data center customers in Q4 2019, and is backed by seven leading venture and strategic investors.

Natron seeks a skilled, scientific-minded Battery Process Engineer with 5+ years of industrial experience to lead and execute projects related to novel battery electrodes including development of slurry formulations, mixing methodologies, and coating processes. The position belongs to a passionate and diverse Technology team and involves close collaboration with Manufacturing counterparts in all facets of technology handoff for successful scale-up production. The candidate should possess solid prior involvement in taking ideas from proof-of concept to feasibility stages and ultimate commercialization of novel battery electrodes. While the role requires extensive hands-on work, it equally relies on fundamental and theoretical knowledge in multitude of scientific disciplines. Ideal candidate is a hard-working, team-work oriented, creative, and self-motivated. He or she must hold a Master of Science degree in chemical engineering, materials science, applied physics, or related fields.

Responsibilities:

- Develop and execute experimental campaigns to establish fundamental relationships between slurry formulations and mixing/coating parameters with electrode properties.
- Plan, execute, and analyze complex DOEs (full/partial factorial, Taguchi) using statistical analysis
- Develop specifications, source, and commission R&D and testing equipment.
- Support process and documentation transfer to the company's manufacturing team and its contract manufacturing partners.

Experience and Skills:

- Required: Master of Science degree in chemical engineering, materials science, applied physics.
- Required: 5+ years of industrial experience as a scientist/engineer working on proof-of-concept and pilot-scale development of battery technologies.
- Good understanding of interdisciplinary fields behind coating processes such as polymer physics, rheology of complex fluids, interfacial phenomena, fluid mechanics, and heat/mass transfer.
- Practical experience with rheology and interpretation of rotational and oscillatory ( $G''/G'$ ) measurements.
- In-depth knowledge of principles and practices of adhesion science.
- Prior experience processing thick electrodes (slot-die coating, calendaring, etc.) highly preferred.
- Ability to plan and execute complex DOEs (full/partial factorial, Taguchi), and to perform statistical analysis of the resulting processed data.
- Prior experience preparing documentation and training team members to execute qualified processes.

Logistics:

- This is a full time, permanent position.
- Employees must work on site in Santa Clara.
- Compensation competitive with other Bay Area senior scientist/engineer positions.

Contact Information:

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