

R&D Engineer – Process/Product Development

Next Energy Technologies Inc. (NEXT) is developing low cost transparent photovoltaic windows to power buildings and transform the built environment. NEXT is driven by innovation and developing technology to improve our planet in a forward thinking fast-paced atmosphere. We are looking for an Engineer to join our R&D team's device development and scale-up efforts in transitioning to pilot and production manufacturing. We are seeking highly motivated applicants who pride themselves on outstanding work and being an integral part of the team. Successful applicants can expect exceptional opportunities and an exciting work environment where excellence, creativity, optimism, and empathy are core values.

Employment Type: Full Time

Location: Santa Barbara, CA

Basic Job Functions: The primary job tasks are based on the development, fabrication and characterization of solution processed photovoltaic devices in an R&D environment. As a member of the R&D team, this position will support the development of our groundbreaking photovoltaic windows to meet performance, reliability and scalability goals. Efforts will be interdisciplinary with focus on working with our proprietary organic semiconducting material and scalable solution-based processes such as slot-die coating. On the job training will be provided.

This role requires high levels of creativity, adaptability, attention to detail, organization, and communication skills to work with cross-functional teams and facilitate the development of our transparent photovoltaic windows. The ideal candidate will be able to design clear and logical experiments to efficiently understand material and performance issues within the product and develop improvements.

Responsibilities:

- Work on complex projects requiring innovation and original solutions.
- Design and execute of experiments to understand the impact of materials and architecture on device performance, reliability and scalability.
- Fabrication and characterization photovoltaic devices.
- Understand and development of ink formulations and processes.
- Optical and electrical measurements of thin films and devices.
- Contribute to module characterization, performance, packaging, and reliability efforts.
- Provided guidance to others on device performance, reliability and scalability efforts.
- Operating and maintaining equipment
- Work in a team with other R&D engineers and scientists.

Desired Qualities and Skills:

- Education: B.S. or M.S. degree in Chemistry, Physics, Materials Science, Engineering or related discipline.
- +3 years relevant experience.
- Must be a US Citizen or Permanent Resident.
- Experience with solution-based coating equipment and techniques.

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- Experience with photovoltaic devices is a plus.
- Experience with organic electronics is a plus.
- Experience with maintaining and repairing precision scientific equipment.
- Experience with clean room operation.
- Must be able to lift 30 lbs.
- Must be able to work in a standing position for extended periods of time.
- Excellent communication and interpersonal skills.
- Good dexterity to work with small components.
- Must interface successfully with engineers and personnel of other disciplines.

Salary/Benefits: NEXT offers competitive salary and benefits

To apply for this position e-mail a resume of your background and qualifications to:
jobs.device@nextenergytech.com

Equal Opportunity Employer Statement: Next Energy Technologies, Inc. is an Equal Opportunity Employer (EOE) that values and respects the importance of a diverse and inclusive workforce. It is the policy of the company to recruit, hire, train and promote persons in all job titles without regard to race, color, religion, sex, age, national origin, veteran status, disability, sexual orientation, or gender identity.