Panasonic Energy of North America (PENA)
www.panasonicnv.com

POSITION TITLE: Battery Engineer Intern

POSITION LOCATIONS: Reno, NV

COMPANY DESCRIPTION:
Panasonic Energy of North America (PENA) is collaborating with Tesla Motors, Inc. in a large-scale advanced battery manufacturing facility known as the Gigafactory near Reno, Nevada which is known for its quality of life and expansive outdoor adventures. Panasonic manufactures and supplies cylindrical lithium-ion cells for the world’s leading electric vehicle manufacturer, Tesla Motors, Inc. Based on the battery demand from Tesla, the Gigafactory plans to produce cells which will double the world’s current production.

Our mission at PENA is to make the vision of affordable Electric Vehicles a reality by production of the world’s safest, highest-quality, and lowest-cost batteries. Through this effort we will create a clean energy society and our products will change society’s use of and perceptions of electric power.

POSITION DESCRIPTION:
Essential duties and responsibilities include

• Conducts battery cell manufacturing process improvement for mass production lines.
• Conducts research and development work for new and existing production lines to improve cell assembly process on safety, quality and productivity.
• Analyzes and evaluate cell physical data. This may include; dimensions of jelly roll, cell and cross-sectional dimensions. From this data evaluation is needed to determine direct and interaction effects of the machinery and processes.
• Analyzes operating procedures and functions of equipment and machinery to reduce time and cost of assembly manufacturing processes.
• Provides engineering support to cell assembly as well as electrodes production teams to resolve manufacturing process issues.
• Works closely with other team members to increase understanding of failure modes, performance, and life expectancy of cell products.
• Applies principles and knowledge of chemical engineering to solve environmental problems.
• Other duties may be assigned.

MINIMUM QUALIFICATION:
To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

• Must be currently enrolled as a fulltime student at an accredited four-year college or university.
• Completion of at least two years of full-time enrollment (minimum 12 credit hours per semester) in a Bachelor’s Degree program in Chemical Engineering, Materials Engineering, or Mechanical Engineering.
• Familiarity with basic lithium-ion battery chemistry.
• Good understanding of basic manufacturing principles.
• Strong problem-solving skills.
• Strong organizational skills.
• Excellent interpersonal, teamwork, and collaboration skills.
• Strong written and verbal communication skills.
• Ability to write and communicate technical information clearly and concisely.
• Fluency with Microsoft Office Suite (Word, PowerPoint, Excel, Outlook).
• Ability to apply principles of logical or scientific thinking to a wide range of intellectual and practical problems.

DESIRED QUALIFICATIONS:
• Completion of three years of full-time enrollment (minimum 12 credit hours per semester) in a Bachelor’s Degree program in Chemical Engineering, Materials Engineering, or Mechanical Engineering.
• GPA of 3.0 or higher.
• Previous coursework in battery science, materials analysis, or advanced manufacturing.
• Familiarity with materials analysis instruments including SEM/EDS, XRF, FTIR, X-Ray, etc.
• Hands-on experience through lab research, project teams, or previous jobs.
• A desire to create a sustainable future through energy storage, renewable energy, and electric vehicles.

SUPPLEMENTAL INFORMATION:
In addition to an environment that’s as innovative as our products, we offer competitive salaries and benefits. Panasonic is an Equal Opportunity employer, and all qualified applicants will receive consideration for employment without regard to: race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. All qualified individuals are required to perform the essential functions of the job with or without reasonable accommodation.

Pre-employment drug testing is required. Due to the high volume of responses, we will only be able to respond to candidates of interest. Panasonic Energy of North America will not sponsor applicants for work visas for this position. All candidates must have valid authorization to work in the U.S. Thank you for your interest in Panasonic Energy Corporation of North America.

DESIRED MAJORS: Chemical Engineering, Materials Engineering, or Mechanical Engineering

HOW TO APPLY: To apply click here

INTERNSHIP DETAILS:
• The program will be a fulltime paid summer internship working for Panasonic at the Gigafactory in Reno, NV.
• The program will be 10 weeks in length, and is planned to occur between Monday, June 3rd and Friday, August 9th. This date range is subject to change.