



Manufacturing Engineer

Element Energy is a dynamic early-stage company reimagining energy storage and battery management. Our breakthrough algorithms and our patented control system solve critical battery safety and performance issues in the multi-billion-dollar large-scale grid storage and electric vehicle battery markets. Our products mitigate the risk of industry-threatening battery fires while also increasing their performance and longevity; with the goal of providing essential technologies to enable the widespread adoption of clean renewable energy and “the electrification of everything” movement that is changing the world’s energy infrastructure.

Element Energy is seeking a Manufacturing Engineer to support our manufacturing operations team.

Responsibilities include:

- Managing and mapping the manufacturing process at our contract manufacturers and partners
- Creating all process documentation including work instructions, process flow charts, and line balances charts
- Manage documentation required for product manufacturing including assembly instructions, BOM’s, and quality control processes and checklists.
- Creating and refining efficient manufacturing processes to enhance production quality, increase productivity, and reduce cost.
- Recommending changes in processes and production methods to increase production efficiency.
- Supporting NPI activities related to printed circuit board assemblies (PCBA) including working with component suppliers, defining assembly process specifications, DFM and DFR engineering activities, etc.
- Supporting NPI activities related to electromechanical box builds including working with component suppliers, defining assembly process specifications, DFM and DFR engineering activities, etc.
- Driving improving production control, quality control, and developing production workflow and assembly methods.
- Providing inputs to design engineers regarding design improvements to minimize manufacturing time and cost and to increase yield.
- Extending assistance to design engineers in preparing engineering documentation necessary for the transition to production.

This position will offer significant opportunities to grow and to learn to work in conjunction with Element’s product development teams. Domestic or international travel might be required.

Credentials

- B.S. degree or equivalent in Industrial, Mechanical, or Electrical Engineering, or related field
- 5+ years’ experience in manufacturing engineering and production environment

Preferred Experience and Skills

- Experience working with contract manufacturers to launch, ramp, and sustain production of PCBA’s, electromechanical assemblies, and/or battery module and ESS systems.
- Interfacing with design engineering and contract manufacturers to review product designs at the PCB, PCBA, and electromechanical system levels.
- Knowledgeable in Lean manufacturing, Lean Six Sigma, 5S, and GMP methods.
- Familiar with Failure Analysis techniques and the ability to use failure analysis methodology to derive a root cause of an assembly defect or failure.
- Experience using QMS, PLM, and change management systems.
- Outstanding written and verbal communication skills

Element Energy is an equal opportunity employer and gives consideration for employment to qualified applicants without regard to race, color, religion, sex, national origin, disability or protected veteran status.