



Manufacturing Engineer

Company: **Energy Storage Systems**

Location: **Wilsonville, OR**

Company Profile

Energy Storage Systems (ESS) is a fast-growing, clean technology company, located in Wilsonville, OR. ESS has developed an advanced flow battery technology for commercial, industrial, and utility applications. With a team that boasts decades of experience in distributed power generation and energy storage technologies, ESS has developed an extremely cost-effective energy management system that combines a safe, abundant and non-toxic iron electrolyte with our patented flow cell design. This combination of high performance with low cost means that ESS's technology is ideally suited for applications that range in size from retail energy management to utility-scale renewables integration.

Position Profile

ESS is looking for a motivated and versatile Manufacturing Engineer to join our team. The Manufacturing Engineer will be engaged in a wide spectrum of activities including process, work instruction, automation, and tooling development.

The ideal candidate will have a passion for sustainability and the environment, will thrive in a fast-paced entrepreneurial setting, be self-motivated and have an interest in disruptive, cutting edge technology. The ideal candidate is someone who understands the culture, the rigor and the challenges of a start-up environment.

Responsibilities

- Provide technical product sustaining support from product release into manufacturing through end of service
- Develop and maintain technical product and process documentation through ECO process
- Characterize and improve process and product performance per defined business metrics
- Provide technical support to the factory, to ensure that ESS is capable of shipping quality products on-time to its customers

- Conduct detailed troubleshooting and analysis of issues that affect reliability, performance, etc. This includes the use of statistical analysis, 7-Step Problem Solving or other established methods
- Provide input or participate in new product introduction projects.
- Provide supply chain support including vendor qualification and quality issue resolution
- Support Field Service/TSS with product escalations as necessary. May require some on-site support at customers
- Perform hands-on assembly, testing and training of personnel as required during project work (i.e., assembly, test or measurement, troubleshooting)
- Facilitates and may lead cross-functional improvement and other Operations projects
- Adhere to safety, environmental, Sarbanes-Oxley and other regulatory standards
- Other duties as assigned

Requirements

- University degree in Mechanical or Industrial Engineering, Chemistry or a combination of education and experience that demonstrates the required skills. Preference for experience in large capital equipment manufacturing techniques and energy storage.
- Typically 5-10 years of technical experience in high-tech industry environment in service, development or manufacturing
- Preference for candidates with CAD design experience using solid modeling systems.
- Demonstrated experience with process improvements, equipment validation and data analysis methods required
- Demonstrated experience improving processes using Statistical process control, 6 sigma methods, DOE and advanced analytical methods is required.
- Demonstrated ability to do hands-on troubleshooting, assembly and engineering validation work required.
- Willingness to travel up to 10%
- Demonstrated experience participating in or managing concurrent technical projects
- Self-starter who is also highly productive when not supervised to meet the agreed objectives
- Demonstrated ability to plan and resolve issues that involve gaining cooperation of cross-functional, multi-cultural groups and sites without damaging relationships.
- Must demonstrate ability to create technical documentation and engineering reports
- Must have ability to obtain a valid passport and travel regionally and internationally as required
- Must demonstrate excellent written and verbal communication skills
- U.S. Citizenship or permanent residency required.