

Job Description

Manufacturing Engineer – Mountain Iron, MN

Heliene Inc. is a solar company founded in 2010 and headquarter in Ontario, Canada. We are a manufacturer of high efficiency, high quality, and high reliability solar modules. Our modules are produced on state-of-the-art solar manufacturing lines in Ontario-Canada, Minnesota-USA, and at manufacturing partners in Asia.

The Manufacturing Engineer is a thorough professional with a practical mind and attention to detail. Under limited supervision, this position will require applying advanced technical knowledge and expertise to troubleshoot, repair, and maintain the Computer-Controlled Systems, PLC Controlled Systems, and Robotic Systems used within the manufacturing process. In addition, this position will require hands-on Mechanical and Electrical skills, along with proficient knowledge in hydraulics, pneumatics, motors, controls, and PID Systems.

Responsibilities:

- Lead and work with various projects.
- Improve equipment and processes for large scale manufacturing, planning, and testing methods of manufacturing solar modules.
- Understanding of electrical or mechanical drawings used on the manufacturing line.
- Implementation and modification of production line equipment.
- Hands-on troubleshooting.
- Strong communication with equipment vendors during equipment installs and troubleshooting.
- Work with automation equipment within the manufacturing line (PLCs, drives, robots, HMIs).
- Support maintenance, production, quality, and other teams when required.
- Assess problems within the manufacturing line and provide solutions to optimize equipment uptime in a fast paced environment.
- Achieve quality and production requirements in a safe and cost-effective manner.
- Carry out process improvement projects within the manufacturing line.
- Support the R&D Team for product and process improvement.

Qualifications:

- Degree in Electrical, Mechanical Engineering or an Automated Technical Degree. Or 4+ years of experience in the automated electrical and mechanical manufacturing field.
- Experience with PLCs an asset.
- Experience with installing a new production line an asset.
- Experience with automation components such as robots, drives, sensors, and HMIs.
- Experience in working with ERP software considered an asset.
- Experience working in a project environment considered an asset.
- Experience with CAD (DraftSight, Autodesk, Solid Works) software an asset.
- Proven ability to identify existing opportunities, foresee upcoming challenges, and effectively react.
- Ability to analyze, organize, prioritize, and manage multiple projects.
- Experience with Microsoft Office Excel, Word, Outlook, and PowerPoint.
- Ability to take direction and work independently.
- Self-motivated.
- Exceptional interpersonal, oral, and written communication skills, including the ability to communicate clearly, succinctly and effectively with all departments.

All applicants must be legally eligible to work in the United States of America. At this time, Heliene USA is not accepting applicants for this position that require sponsorship. The applicant will also need to be able to travel to Canada for training and support whenever it can be safe to travel.

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