HELIENE

Job Posting

ABOUT HELIENE

Heliene is a fast-paced entrepreneurial company growing rapidly in a highly desirable industry, with a mission to be part of the solution to climate challenges and contribute to a better planet.

Heliene has taken the challenge to help the world reduce its reliance on fossil fuels, by striving to be a leader in renewable energy. We are a manufacturer of high efficiency and high-quality solar modules. Our modules are produced on state-of-the-art solar manufacturing lines in Ontario-Canada, Minnesota-USA, and at manufacturing partners around the world.

Customer First is more than a slogan. It's the guiding principle of our business, a core value and the cornerstone of our company culture.

WHY JOIN HELIENE

We are looking for talented and motivated people that want to help us shape the solar industry. Under an experienced leadership team, we provide growth opportunities, intellectual challenge and a flexible, collaborative company culture.

We offer comprehensive benefits, including competitive salaries; paid time off; health, dental, vision and life insurance; as well as retirement plans.

THE POSITION

Job Title:	Mechatronics Technician
Position Status:	Full Time, Shiftwork
Department:	Operations
Supervision Received:	Maintenance Manager
Supervision Exercised:	Functional Training Capacity only – Stringer Operators
Location:	Mountain Iron, Minnesota

A.	Run stringers efficiently/Perform corrective and Preventive Maintenance	40%
B.	Training/Mentorship	30%
C.	Uptime improvement/Scrap reduction	20%
D.	Other Duties as Assigned	10%
TOTAL		**100%**

Reporting to Maintenance Manager, the Mechatronics Technician will be responsible for the stringers to run efficiently, repairing and maintaining existing systems and equipment related to the stringer operations, as well as help engineers create and test prototypes and equipment. They will take on a leadership role in supporting and training the Stringer Supervisors and Operators to ensure efficient and safe production lines. The Mechatronics technician should have knowledge in various areas including

electrical engineering, electronics, mechanical and instrumentation. They are expected to have a high degree of technical and problem-solving skills, be detailed orientated and the ability to ensure safe working conditions at all times.

- Develop and maintain process/equipment documents and reporting system for productive and non-productive equipment time: WI, PM, Maintenance reports, Maintenance and troubleshooting instructions; alarms, simple documentation process, defects and scrap recording, and safety instructions
- Understand production process flow, main process parameters and border conditions: cell handling, cell cutting, cell soldering, cell positioning, cell string characteristics (cell-to-cell gap, total string length, wire to edge cell gap etc.), EL and visual string level control, wire unwinding and cutting and how tunable process parameters influence the above-mentioned process
- Understand and implement the requirements of quality control for stringing process and main quality criteria: cell-to-cell gap, string straightness, total string length, positioning of the wires with respect to solder pads, busbars, and cell edges, allowable/not allowable EL defects and their quantity (cell cracks, dark area, solder defects etc.) and visual defects. Understanding the interrelation between quality defects and process parameters
- Support and implement 5s and lean objects – minimizing non-value-added movement
- Perform environmental controls
- Training line operators on different operation levels including loading cells, machine offsets, simple troubleshooting, fixing and major adjustments. Training with line operators and maintenance technicians in electrical PMs, pneumatic PMs, HMI (Human Machine Interface), changeovers, ribbon roll changes, and water and flux changing/replenishment
- Cycle time and how to control it
- Identify areas of opportunities to improve equipment uptime and reduce scrap
- Develop sequence of PMs to be performed in the 3 stringers (6) with the goal to maximize uptime and output of the stringers
- Identify areas of opportunity to improve equipment uptime and reduce scrap
- Understand process capability vs design requirements including; what tolerances can be met, temperatures, that can be met, wire locations, data collection and data analysis

Minimum Qualifications:

- Degree in Mechatronics or related field with at least four years' experience or equivalent combination of education, training, and experience.
- Highly technical with strong ability to troubleshoot and problem solve
- Manual disassembly/assembly of equipment, electrical/electronic components, and umbilical assemblies
- Strong communication skills, both written and verbal
- Strong understanding of related computer programs and Microsoft Suite
- Knowledge of programing and blueprints considered an asset
- Excellent ability to work with and lead a team
- Must have a valid passport and ability to travel internationally
- Must complete record check and drug screening prior to employment

HELIENE

Job Posting

Qualified applicants should apply at: Mackinnon and Partners
http://mackinnonandpartners.com/career-opportunities/?rpid=fqeuG_kHqa8

All applicants must be legally eligible to work in the United States of America.

Heliene is strongly committed to fostering diversity and inclusivity within our organization and is an equal-opportunity employer. Heliene invites and encourages applications from all qualified candidates from equity-deserving groups and all qualified applicants will receive consideration without regard to race, color, religion, gender, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or veteran status.

Currently, Heliene USA is not accepting applicants that require sponsorship.