

Job Description

Senior Design and CAD Engineer

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, Florida-USA, and at manufacturing partners in Asia.

We are seeking a Senior Design Engineer to lead our Design Engineering Program. This is a unique opportunity for a highly skilled, experienced, and motivated individual to join a team that is developing solutions to tackle the climate crisis with strong development and manufacturing presence in North America. This position is based in Sault Saint Marie, Ontario, Canada with opportunities to travel to US manufacturing plant and manufacturing/supplier locations in Asia. This position can also be remote.

Responsibilities:

- Design solar modules and racking systems
- Design jigs, fixtures, tooling, and equipment for prototyping, testing, and manufacturing.
- Study, test, and select materials/ components for systems
- Create CAD models and drawings
- Perform modeling and simulation including static and dynamic simulation, finite state analysis, fatigue analysis, and design optimization simulation
- Participate in prototyping and testing of new products based on proposed designs
- Working closely with Technology and Operations teams to create designs for products and systems
- Perform analysis of large sets of data and synthesis of results
- Prepare and present reports to engineering and management teams

Qualifications:

- M.S. in Mechanical Engineering or related field
- 5 or more years of direct experience of design and CAD work
- Direct experience of CAD tools such as SolidWorks, AutoCAD, DraftSight
- Solar module and racking system design experience highly desirable
- Highly skilled in one or more programming languages, lab tools, data analytics, and analysis

To apply, please send your resume and a cover letter to careers@heliene.com

Released: February 22, 2022