

Job Description

Senior Applications 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 Applications Engineer to lead our Applications 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:

- Lead product applications ranging from off-grid to residential to commercial & industrial to large-scale utility system. Develop new applications of current products. Develop new product applications in areas of Building Integrated PV, Greenhouse Integrated PV etc.
- Be the point of contact for all technical sales inquires
- Develop and maintain a broad portfolio of fixed-mount racking and tracking system partners that meet Heliene requirements.
- Work closely with sales, marketing, and operations teams to ensure product goals are met
- Devise detailed application engineering plans and implement them
- Perform modeling and simulation of solar systems
- Set up and monitor test sites for Heliene modules and systems
- Analyze of large sets of data and synthesis of results
- Prepare and present reports to engineering and management teams

Qualifications:

- M.S. in Electrical Engineering, Mechanical Engineering, or related field
- 5 or more years of direct experience in Solar PV field
- Hands-on experience of solar system design including off-grid, on-grid, and battery-based hybrid systems ranging in size from 100W to 100MW and above
- Hands-on experience of simulating and testing mechanical loading conditions for solar modules and systems
- Direct experience of testing solar components at material, module, and system level
- Direct experience of certification, safety, and compliance of solar panels and systems
- Strong knowledge of national and internal codes, solar industry trends, solar products, and solar systems
- Direct experience of working with suppliers of materials and products in the solar industry
- 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