

Solar PV Design Technician, Renewable Energy

Employment Terms: Permanent, Full-time after 3 month probation period

Department: Renewable Energy (Solar Photovoltaics)

Hours of Work: 40 hours per week

Salary/Wage: Salary based on previous experience

Benefits: Enrollment in a group health benefits program after 3 months of employment

Location: 465 Pinebush Rd., Unit 5, Cambridge, ON

Company Background

Zon Engineering Inc. is a coalition of dedicated professionals who are focused on developing high quality solutions. We are defined by our commitment to technical excellence and known for our responsive client care. Our solutions are rooted in a pragmatic understanding of the technologies, systems, and approaches to sustainable building design.

We empower team members to excel within their areas of practice by fostering a spirit of innovation and a commitment to technical excellence. From a platform of theory and experience, we assist our clients in the pursuit of true sustainability.

Mission

Our mission is to develop an environmentally responsive design ethic wherein solar energy helps shape building design.

Our focus is on the conservation of resource use, the optimization of environmentally conscious indoor environments, and the maximization of opportunities for onsite resource collection and power generation.

Vision

By working closely with our clients and their teams, our aim is to assist in the creation of financially, environmentally, and socially sustainable projects.

Description of Position

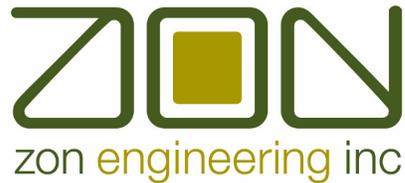
We are presently seeking applications from qualified individuals to fill a position in our Renewable Energy consulting services group. Our goal is to find an individual whose personal interest and experience resonates with the stated mission and objective of Zon Engineering Inc.

Title of the position: Solar PV Design Technician

Reports To: Project Engineers, Design and Field Specialists (Project Managers)

Consults With:

Internal: Principals, Engineers, Design and Field Specialists (Project Managers)



External: Clients, Contractors, Engineers, Local Distribution Companies (LDC), Independent Electricity System Operator (IESO), Ontario Power Authority (OPA), Electrical Safety Authority (ESA)

Job Summary

Under supervision of Project Engineers and Design and Field Specialists (Project Managers), the Design Technician performs a variety of design/drafting activities including preparing and updating design, construction and as-built drawings and creating, updating and maintaining CAD templates. This individual will also be required to provide other support services to more senior staff as may be required. This may include completing IESO, ESA, and LDC applications, carrying out energy production forecasts, writing/contributing to reports, and carrying out product/design research. During the height of the construction season, the Design Technician may also provide support during site reviews, onsite testing and commissioning activities. This individual may also be required to help in our mechanical design department from time-to-time to provide CAD support for projects as we continue to build this service.

Our company is on the leading edge of sustainability and renewable energy generation, and as a result the nature of our work is always changing. The Design Technician may be provided with other opportunities and assigned other duties not provided in this job description as the services we offer to our clients evolves over time.

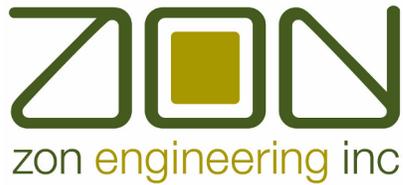
Duties and Responsibilities

- Prepare new design, construction, and as-built drawings
- Revise and update existing drawings to reflect design and construction drawings
- Review project drawings, specifications, and documentation
- Prepare design specifications
- Carry out design and product research
- Maintain notes, design calculations and other documentation for future reference
- Complete IESO, ESA, and LDC applications
- Prepare renewable energy (primarily solar PV) energy production forecasts
- Create, update and maintain standard drawing details and templates
- Improve and maintain office CAD standards (manual, pen settings, layers, fonts, etc.)
- Provide CAD technical support and training to other designers as may be required
- Create, update and maintain other design tools and templates as may be required
- Update and maintain electronic product literature library

Education and Experience

Required:

- At least 3 years experience drawing/drafting solar PV systems in accordance with the electrical requirements of the Ontario Electrical Safety Code (or similar) and accompanying bulletins
- University Degree or College Diploma in Electrical Engineering, Renewable Energy Systems, or a related field
- P.Eng., C.E.T., or C.Tech. designation in the Province of Ontario (or in the process of obtaining one of these designations)



Preferred:

- Prior onsite experience reviewing the construction of solar PV systems for completeness and compliance with design documents and LDC / electrical code requirements
- Previous experience creating, updating and maintaining CAD standards and AutoCAD details and templates
- Previous experience providing technical CAD support to your peers
- Familiarity with solar PV production analysis software such as PVSyst or Helioscope
- Familiarity with other renewable energy simulation software such as RETScreen

Specialized Knowledge and Abilities

Required:

- Proficient in the use of AutoCAD 2015
- Skilled in PC usage and associated software including Microsoft Office
- Able to generate layout drawings from sketches and specifications
- Knowledgeable of standard drafting practices and procedures
- Exceptional organizational skills and attention to detail
- Excellent communications skills: interpersonal, listening, oral, and written
- Able to work with minimal supervision, efficiently schedule and manage time

Preferred:

- Competent in the use of Autodesk Revit 2015

Physical Demands

- The Solar PV Design Technician must be able to concentrate for extended periods of time paying close attention to detail.
- The employee is regularly required to sit while performing the duties of this job.
- If asked to participate in field activities, the employee may be required to drive an automobile to site, climb stairs/ladders and traverse on building roof-tops with obstructions to gain access to solar PV systems, and crouch/crawl under equipment to review construction details. Any safety training required for this work will be provided to the employee.

Application Requirements

Please submit an electronic application to careers@zonengineering.com by the end of the day on February 3, 2017. Your application must include the following documents:

- A cover letter stating your interest, experience, and reason for applying to this position
- A resume (or CV) indicating your qualifications and prior work experience
- A detailed list of the solar PV projects you have been involved with (e.g. FIT, net metered, off-grid, etc.)
- References (typically 3) from individuals you have work worked with (preferably from a current or former supervisor) who is familiar with your work