



Title: Solar Design Engineer

Location: London, ON

Travel: up to 25%

The Solar Design Engineer position will be working with engineering, operations, estimating, and business development teams to design high-quality and efficient solar PV systems. The Design Engineer will play an integral and active role in helping acquire new business and execute in-house projects.

Responsibilities

- Solar energy system design and layout; interconnection design and equipment selection
- Provide energy production analysis and engineering support during construction, system commissioning and troubleshooting
- Evaluate future technologies and develop internal intellectual property products and offerings.
- Develop detailed layouts and electrical design packages for solar PV systems that meet all contractual, code, and permitting requirements.
- Coordinate with civil and structural engineering firms to obtain detailed civil and structural design packages from third party vendors that meet all contractual and permitting requirements.
- Develop single-line and three-line diagrams with required electrical details for solar PV systems in accordance with regulations, utility interconnection tariffs and requirements, and local AHJ as necessary.
- Lead the project interconnection approval process as the primary point of contact with the interconnecting utilities from the application process through final design approval.
- Coordinate and obtain SCADA designs for solar PV systems from third party monitoring companies.
- Develop technical specifications and scopes of work for engineering firms and contractors.
- Conduct on-site solar PV system commissioning, troubleshooting, power quality site analysis, and remediation.

Requirements:

- BS degree in Electrical Engineering and P.Eng
- 2+ years solar PV design experience in commercial solar design.
- Working knowledge in single phase and three phase low and medium voltage power distribution equipment selection and specification.

- Experience in power distribution equipment acceptance testing activities involving control system checks, protective devices and schemes, grounding systems, regulators, electrical transformers, circuit breakers.
- Proficiency in AutoCAD and PVSYST
- Proficiency in Microsoft Word, Excel, Outlook, and PowerPoint

Interested candidates should send their resume to vw@energeiaworks.com.