

ABOUT US

With over 450 employees across 18 offices in Ontario, Spark Power delivers development, asset management, operations, maintenance and technical services to over 4,500 customers across Canada in the renewable energy and power infrastructure markets.

ABOUT THE ROLE

As part of an innovative and growing company, the **Senior Engineer** will report to the Director of Engineering and will be responsible for developing, reviewing and signing off on electrical engineering packages associated with C&I substation and distribution, as well as energy storage interconnection projects.

Typical responsibilities would include but are not limited to:

- Developing conceptual designs in the creation of scope of work, quotations or assisting business units in the successful
- Creating a standardized approach to the development of parallel engineering packages
- Preparing design documents, in phased approach, such as single line diagrams, wire schedules, site plans, floor plans, detail drawings, etc.
- Working with utilities to gather requirements, apply for connection and review/understand results of connection studies
- Releasing stamped engineering packages in compliance with all applicable Ontario Electrical Safety Code requirements in the areas of low voltage, high voltage, communications, and renewable energy systems a must.
- Responding to queries or RFIs, from external and internal parties
- Working with drafting team to setup drawing lists, project workflow and document review
- Coordinating task completion with engineering team based on project schedules
- Performing design analysis for underground cable ampacities, ground grid design,
- Understanding of substation design fundamentals, including component selection, conductor selection and routing, grounding, civil requirements, protection & control
- Knowledge of, and frequent use of design process improvement tools such as Excel spreadsheets, calculators
- Assisting Drafting team in establishing and maintaining AutoCAD standards, DesignCenter and detail library
- Participating as member of team on larger engineering projects, providing insight in task completion and process development
- Self-managing smaller engineering engagements, attending sales meetings as required
- Creating cost and hour estimates for engineering services and reviewing actuals on completion
- Collaborating with engineers, designers and drafters to engage in and continuously improve department process
- Communicating requirements and deadlines with internal and external stakeholders
- Other duties as assigned in the Senior Engineer role

QUALIFICATIONS

- 5-8 years of electrical engineering experience;
- P.Eng. with ability to stamp electrical packages;
- Experience in renewable energy projects a plus;
- Excellent oral and written communication skills;
- Experience with non-linear pole analysis a plus;
- Ability to multi-task and self-manage work flow

Spark Power Corp is committed to fair and equitable recruiting practices in accordance with the Accessibility for Ontarians with Disability Act (AODA). Persons with disabilities are encouraged to come forward at any stage of the recruitment process to request accommodations, if needed.

APPLICATION DETAILS

Interested candidates are encouraged to apply online at www.sparkpower.ca/careers. Successful applicants will be contacted directly.