

## SENIOR ELECTRICAL ENGINEER

### Introduction

Clean Energy Consulting (CEC) is a well-established BC company with offices in BC and the Yukon, dedicated to building outstanding projects. With involvement at all stages of project development, we strive to better understand and fully accomplish the desired project outcomes for our clients. Our self-directed, hands-on team enjoys the opportunity to be involved from the concept through to operation. This allows our team to learn and improve while providing ongoing challenges and opportunities for development.

### Summary

CEC is currently looking for a **Senior Electrical Engineer** to join the Electrical, Instrumentation, and Control (EIC) team in our Vancouver or Prince George office. This position will be primarily focused on providing electrical engineering services to our clients in the biomass, small hydro, industrial, utility services, and renewable power business areas. This individual should have extensive experience in the area of grid interconnection, substation, power distribution, and balance of plant systems.

### Duties and Responsibilities:

- Manage and deliver electrical and power system scope on projects of varying size and complexity
- Lead the design of HV, MV, and LV (AC/DC) electrical power systems
- Supervise execution and lead commissioning activities on power distribution and generation projects
- Mentor engineers and designers including training, development, and supervision
- Develop project scope, capital cost, and engineering cost estimates
- Proactively contribute to business development, proposal development, and networking initiatives

### Qualifications:

- Possess an electrical engineering degree from a recognized post-secondary institution
- Registered or eligible for registration with EGBC

### Required Skills and Experience:

- Minimum of 8 years of experience designing, implementing, and commissioning industrial electrical systems
- Experience as lead electrical engineer on multidiscipline projects
- Experience as project manager
- Proficient with power distribution systems (substations, switchgears, motor control centers, balance of plant)
- Proficient with design principles, codes, and standards for EIC design in Canada and the US
- Knowledgeable on engineering studies (grounding, short circuit, arc flash, coordination, load flow)
- Knowledgeable on grid interconnection and substation (up to 138 kV)
- Knowledgeable on control systems integration with power distribution systems and balance of plant

This person will report to the EIC team lead. The position is preferentially based in either our Prince George or Vancouver office, but remote work applicants will be considered. The position includes up to 25% travel, with extended commissioning assignments. CEC offers a professional and engaging working environment with competitive compensation and benefits packages.

Please forward your resume and cover letter in PDF format by email to: [careers@cleanenergyconsulting.ca](mailto:careers@cleanenergyconsulting.ca). We thank all applicants for submitting their resumes; however, only applicants who are being considered will be contacted.