



CWA Engineers is a premier consulting engineering company with a successful track record of project completion for our industry-leading clients. Our multidisciplinary team specializes in a diverse range of industries including: Mining and Minerals, Ports and Marine Terminals; Construction Materials Facilities; Material Handling; Solid Wood, Pulp and Paper; Oil and Gas; and Utilities.

Senior Electrical Engineer

Responsibilities:

- Prepare electrical and control drawings including single line diagram, hazardous zone layout, grounding layout, electrical equipment layout, lighting layout, conduit and cable tray layout, Block diagram, cable schedule, lighting panel schedule;
- Switchgear and MCC layout, motor schematics and wiring diagram, control wiring diagram and electrical equipment installation details;
- Power systems design including short circuit study, flash study, harmonics study, relay setting and circuit breaker coordination;
- PLC arrangement layout, I/O list, PLC program and HMI program;
- Prepare project proposals and cost estimates, equipment specifications, test procedures, installations and operation manuals;
- Bid document and evaluations; Coordination among suppliers, clients, contractors, and other disciplines;

Requirements:

- 7 to 10 years experience in electrical and power systems design, cost estimating, coordination, supervision, project management and on-site commissioning for both light and heavy industrials, municipals, ports and terminals, mining and minerals, oil and gas, and utilities;
- Experience in short circuit study, arch flash study, relay setting and coordinations;
- Knowledge of MV substation, grounding, power distribution, switchgear, MCC, lighting, and fire alarm systems.
- Knowledge of Genset, VFD, PLC, HMI and DCS systems.
- Familiar with IEEE Color Books, CEC, NEC and BC Building Code.
- Experience to use EasyPower, AutoCAD, and Microsoft Office;
- Registered or eligible for registration with APEGBC;
- Strong leadership and interpersonal skills, both written and verbal will be an asset.
- Travel may be required to ensure the successful execution of project.

The candidate will report to the Manager of Electrical Engineering Department.

We thank all applicants for their interest; however, only successful candidates will be notified.

Please Reply to:

CWA ENGINEERS INC.

Burnaby Office:

Email: hr@cwaengineers.com

Mail: Suite 223 - 4600 Kingsway
Burnaby, B.C., V5H 4L9

Canada

Fax: 604.438.5260

No Phone Calls please.