

Lead Electrical Engineer

Great Northern Engineering Consultants Inc is a progressive engineering consulting company specializing in the design of: Roadway Lighting, Traffic Systems, Intelligent Transportation Systems (ITS), Telecom, Utility, Power Distribution and PLC designs for water, and other municipal systems. We have multiple offices in Western Canada.

At GNEC we believe that people are its greatest asset. We provide an environment for employees that enables them to perform to their highest potential, is respectful, and provides opportunities for their professional growth.

We are looking for a highly motivated and experienced individual to join our team as a **Lead Electrical Engineer**. The ideal candidate will be comfortable with minimum supervision and be results driven. This role will be based out of our Sherwood Park office under the direction of the Business Unit Manager.

What You'll Be Doing:

- Technical leader on utility power distribution and telecom network design projects.
- Provide mentorship, direction and oversight to intermediate and junior engineers, technologists and designer/CAD staff.
- Perform ongoing performance coaching and evaluation;
- Hire and administer engineering personnel in their discipline in agreement with GNEC policies and procedures
- Perform annual performance reviews, plan employee development and career progressions, identify and organize training.
- Prepare detailed designs for distribution electrical systems using MicroStation or other utility specific design and drafting tools.
- Prepare, review and mark for changes detailed site layouts and structural or electrical drawings such as: schematics, profiles, single line diagrams and circuit plans.
- Carry out detailed calculations to ensure designs meet engineering standards and applicable codes.
- Capable of developing scoping study, design basis memorandums and participations in engineering design specifications and detail engineering
- Review and perform quality control checks for drawings and deliverables.
- Review and sign off on design drawings, cost estimates and other technical documentation.
- Oversee the preparation of tender documents and specifications.
- Oversee the provision of construction services.
- Coordinate field reviews and the preparation of record drawings.
- Liaise with clients, project managers, and stakeholders as necessary.
- Perform project management functions including preparation of cost estimates, budgets, schedules, design reports, peer reviews.
- Prepare proposals and quotations.
- Assist in the ongoing development of GNEC internal systems to improve our quality and efficiency of delivering effective projects to clients
- Responsible for coaching, teaching and effective training and supervision of assigned personnel
- Meet established GNEC Engineering KPIs that drive company cost performance and profitability
- Investigate and review the actions to correct reported errors, omissions and non-conformances.
- Keep abreast of best practices and the latest technology in the utility, telecom and power distribution industries.
- Undertake business development activities including marketing, attendance at conferences, seminars, etc.
- Perform other related tasks based on individual project or business requirements.

What You'll Need:

- A degree in Electrical Engineering from an accredited institution.
- Certification as a Professional Engineer with APEGA.
- 7 to 10 years' experience is required.
- Experience with the design of shallow utilities and municipal infrastructure.
- Strong understanding of electrical systems and engineering fundamentals.
- Knowledge of Canadian Electrical Code Part 1 and Part 3.
- Working knowledge of analysis tools such as PLS-CAD, SPIDA Calc, AGI32, CYME would be considered an asset.
- Working knowledge of AutoCAD, Revit, MicroStation and Microsoft Office products Word, Excel, etc. is required.
- Ability to lead professionals, technical staff, and administrative personnel to deliver projects and services
- Must possess leadership and coaching skills in the development, training and mentoring of team members
- Ability to interact with a range of personalities and styles to establish effective relationships at all levels
- An adequate level of comfort to successfully undertake business development activities.
- Aptitude for seller-doer activities including building and maintaining client relationships, scoping new work, and resolving concerns
- Desire and aptitude for developing and continually improving in-house engineering processes, procedures, templates, etc.
- The candidate should be a self-starter, highly motivated and a team player with the ability to work on a variety of simultaneous goals and issues.
- Valid Class 5 Motor Vehicle Operator's License
- Legally entitled to work in Canada.

Benefits:

- Dental care
- RRSP Match
- Extended health care
- Vision care
- Vacation & paid time off
- Wellness program

We offer competitive salary commensurate with qualifications and experience.

Please email your resume outlining your qualifications and experience in confidence to: careers@gnec.ca