

Manager of Electrical Engineering - Transportation

At Great Northern Engineering Consultants Inc. (GNEC) we believe that people are our greatest asset. We provide an environment for employees that encourages them to perform to their highest potential, is respectful, and provides opportunities for their professional growth.

GNEC is a progressive engineering consulting company specializing in the design of: Roadway Lighting, Traffic Systems, Intelligent Transportation Systems (ITS), Building Electrical Systems, and Power Distribution. The company also provides specialist Traffic Engineering services in support of the above. GNEC is a wholly owned subsidiary of TWD Technologies Ltd with offices in Alberta and British Columbia – and we are growing.

We are looking for a highly motivated individual to join our team as a **Manager of Electrical Engineering - Transportation**. The ideal candidate will be comfortable with minimum supervision, be results driven and have business development skills. This position will be based out of our Sherwood Park office to service primarily the Alberta region.

What You will Be Doing:

- Develop, lead, and manage a team of electrical design staff that will work primarily on transportation related projects.
- Perform project manager functions on transportation electrical systems and traffic engineering projects where required.
- Direct analysis and generate engineering products that may include reports, technical memoranda, illumination studies, design drawings, specifications, cost estimates and other supporting documents and drawings.
- Oversee the design of transportation electrical infrastructure including street lighting, traffic signals, pedestrian crosswalks, and ITS systems.
- Assist other engineers and technologists in carrying out technical tasks.
- Review and perform quality control checks for drawings and deliverables.
- Provide support and direction to junior staff.
- Perform Engineer of Record functions.
- Work with staff from other GNEC or TWD offices.
- Keep abreast of best practices and the latest technology in the transportation industry.
- Undertake business development activities including proposal preparation, marketing, attendance at conferences, seminars, etc.
- Work towards expanding our client base and lead related business development initiatives in Alberta.

What You will Need:

- Recognized Degree in Electrical Engineering or equivalent.
- P.Eng. registration with APEGA, or current registration with another Canadian engineering association and the ability to register with APEGA within 3 months.
- 10+ years of relevant and progressive experience with transportation related electrical systems design and construction standards including the Canadian Electrical Code, NEMA, TAC, IES and Alberta Transportation standards.
- Experience with the operation and design of street lighting, traffic control systems, ITS, and communication systems.
- Strong understanding of transportation electrical systems and engineering fundamentals.
- Working knowledge of analysis tools such as AGi32.

- 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
- 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.
- Valid Class 5 Motor Vehicle Operator's License
- Legally entitled to work in Canada.

Benefits:

- Employer paid extended health care program including dental and vision care
- RRSP Match
- Vacation & paid time off
- Employee 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