



January 5, 2026

Senior Transmission/Distribution Lines Engineer

We are actively seeking a **Senior Transmission/Distribution Lines Engineer** to join our dynamic and growing team at Xentric Engineering. In this leadership role, you will oversee the design and delivery of high-voltage transmission and distribution projects across Western Canada.

This position offers the opportunity to lead multidisciplinary teams, ensure regulatory compliance with APEGA and EGBC, and actively mentor Engineers-in-Training (EITs) and other developing engineering professionals. It's an ideal opportunity for individuals with strong technical expertise in overhead line design and a passion for building reliable power systems.

Xentric Engineering is a multi-disciplinary engineering consulting firm, specializing in utility interconnections, transmission lines, high-voltage electrical substations, and distribution systems for generating facilities, large industrial operations, and utilities.

JOB TITLE: Senior Transmission/Distribution Lines Engineer

JOB NUMBER: 202601-E4-004

LOCATION: Canmore, AB, Calgary, AB, Langley, BC

OVERVIEW: Xentric Engineering is seeking a Senior Transmission/Distribution Lines Engineer with extensive experience in overhead transmission and distribution line design across Western Canada. This leadership role involves working on high-voltage power system projects for public utilities and private clients, ensuring full compliance with APEGA and or EGBC regulations, including the development and implementation of a Professional Practice Management Plan (PPMP). The job position will include, but not be limited to, the following:

- Lead and mentor multidisciplinary engineering teams, including Engineers-in-Training (EITs), designers, and technologists.
- Drive innovation in overhead transmission and distribution line design using PLS-CADD, AutoCAD, and other industry-standard modeling tools.
- Prepare and submit interconnection applications to utilities.
- Develop comprehensive procurement and installation packages, including specifications and cost estimates.
- Conduct peer reviews and take professional responsibility for engineered work products.
- Oversee site commissioning, energization, and field inspections of transmission infrastructure.
- Ensure compliance with APEGA and EGBC standards, including NEC, NESC, RUS, CSA, ANSI/IEEE, and Canadian Electrical Code requirements.
- Collaborate with other engineering disciplines and stakeholders to ensure integrated project delivery.
- Maintain and enforce the company's PPMP in accordance with provincial regulations.
- Represent Xentric in client meetings, regulatory reviews, and risk assessments.
- Support ongoing compliance with professional standards, ethics, quality management, and continuing education.





CANDIDATE: The ideal candidate would have the following:

- Bachelor's or Master's degree in electrical or Civil/Structural Engineering from a Canadian-accredited institution or equivalent.
- Registered or eligible for registration as a Professional Engineer (P.Eng.) with APEGA and or EGBC.
- Minimum 8 years of experience in transmission and distribution line engineering, including leadership roles.
- Proficiency in PLS-CADD, AutoCAD, Microsoft Office.
- Strong understanding of transmission line and or distribution line standards, environmental considerations, and public safety protocols.
- Demonstrated ability to successfully manage multiple projects while fostering the growth and development of Engineers-in-Training (EITs) and other developing engineering professionals through effective mentorship and support.
- Excellent communication, problem-solving, and organizational skills.

The successful candidate will be supplied with a computer workstation, complete with the appropriate software and applications necessary to do the job. The standard work week would be 40 hours, with the hours of work flexible and based on an 8-hour day. This role is primarily an in-office position, however working from home occasionally is permitted with the approval from direct reports.

REQUIREMENTS: This position requires that the successful candidate is legally permitted to work in Canada and is eligible for registration as a Professional Engineer (P. Eng) with either APEGA or EGBC.

ABOUT US: Xentric is a privately owned, engineering firm with nearly 100 years of industry experience. We are 100% Canadian owned and operated, delivering high-quality engineering and consulting services across Western Canada. Led by a collaborative and experienced management team, our reputation is built on technical excellence, proactive communication, and long-term client relationships.

Our mission is to provide outstanding engineering services with uncompromising quality and customer support. We strive to exceed expectations through a solutions-focused approach, anticipating client needs and ensuring successful project outcomes. Our employees contribute to complex, impactful projects in a supportive environment, with access to a comprehensive benefits package and long-term career development. Our main office is in Canmore, AB with additional offices in Langley, BC, and satellite staff in Kelowna and Calgary; a dedicated Calgary office is being planned for 2026.

APPLYING: To apply, please submit a cover letter (required), resume, and a writing sample (optional but preferred – e.g. a technical memo, report excerpt or coursework) to careers@xentric.ca, referencing the job number in the subject line. We appreciate the interest of all applicants. Only candidates selected for an interview will be contacted.

BENEFITS:

- Casual dress
- Company events
- HSA
- Active Living Benefit (Fitness) \$1,000
- Flexible schedule and work environment
- On-site parking
- Paid time off
- GRSP
- Schedule: Monday to Friday

ABILITY TO COMMUTE/RELOCATE:

We're hiring across all our locations! Our Canmore and Langley offices are each about an hour from Calgary and Vancouver, respectively. Please consider your ability to commute or plans to relocate before applying.

