

Join Our Engineering Services Team

BESTECH is an innovative multi-disciplinary engineering services firm that partners with clients to deliver results that exceed expectations. To us, partnership means we engage in relationships with our team, our clients, and our community.

Founded in 1995, BESTECH works with many of the largest mining clients in the world achieving success across many engineering disciplines. In 2019, our team expanded to offer our clients mining engineering services, from mine design and planning to mine closure. BESTECH has a track record and passion for working with clients who need simple and innovative solutions to make mines more efficient and profitable. That is why global mining and industrial clients have chosen to work with us for more than 25 years.

In the community, BESTECH is humble and proud to be recognized with awards for innovation, economic development, and community contributions. As an Employer of Distinction in Ontario, we are passionate about our people and offer exciting, rewarding careers.

Your Role as Electrical Power Systems Engineer

In your role as Electrical Power Systems Engineer, you are responsible for performing engineering design and studies for various electrical distribution and substation projects (from 600V up to 230kV voltage levels). This includes preparing electrical protection and control design deliverables, and/or physical layouts for medium and high voltage substations. You will also establish project strategy, review drawings, and ensure elements of design and detailing adhere to jurisdictional requirements and will liaise with all key stakeholders.

Your Key Accountabilities

- Design distribution systems utilizing client standards including bill of materials, yard layouts, plans, sections and details, grounding, ground grid, control building arrangements, interior and exterior raceways, auxiliary AC and DC power systems and cable lists.
- Design protection and control scheme; including CT selection, relay wiring design and protection parameter selection using IEEE standards and applicable codes.
- Prepare calculations and equipment specifications.
- Prepare scope of work, estimates, schedules, budgets, specifications and reports.
- Prepare new and modify existing relay drawings including relay panel arrangements, single lines, three lines, AC and DC schematics, equipment wiring, and relay panel wiring.
- Prepare new and modify existing reports/studies such as Protection and Coordination, Arc Flash, Load Flow and Grounding.
- Develop and evaluate plans for major projects.
- Coordinate with other discipline departments, such as civil/structural/automation to integrate packages and work activities.
- Progressive design and project management responsibilities.
- Provide leadership, guidance and instruction to junior team members.
- Regularly meet and correspond with clients or outside personnel.
- Some marketing responsibilities.
- Other duties as assigned.

What YOU Bring to the Team

- Minimum 3-years of related medium/high voltage power distribution and substation design experience and familiarity with power systems including: power systems studies (load flow and protective device coordination using Easypower, SKM and ETAP), power apparatus in utility and mining projects, project scopes, project schedules and deliverables.
- Knowledge in engineering standards, codes and guidelines.
- Strong industrial experience, with experience in surface and underground mining.
- Knowledge of mining related processes a definite asset.
- Extensive computer knowledge in industry applications, including Microsoft Office, Microsoft Project.
- Able to ensure that all programs and controls maintain a safe operating environment.
- Excellent oral and written communication skills, with exceptional report writing skills.
- Effectively liaise with engineers, designers and specialist to ensure client needs are met.
- Able to work independently and in a team environment to meet tight deadlines.
- Self-motivated and driven to achieve client satisfaction targets.
- Willingness to travel and to go on site.
- Interested in a supportive, engaging consulting engineering culture.
- Fluent in English (written and oral).

Your Education and Licence

- Bachelor's degree in electrical engineering or related engineering discipline from an accredited university (preferably in electrical, mechatronics, or power engineering).
- Professional engineering licence or eligible for registering as a professional engineer in Ontario.
- Valid driver's licence with access to a personal vehicle.

Why Join the BESTECH Team?

We provide our employees with opportunities to grow and succeed professionally and personally. As a growing organization, we still get excited about partnering with new professionals joining our team, along with the unique knowledge, skill set, and experiences each bring to our team! Whether you're a student, a recent graduate, or an experienced professional, we would love to chat about YOUR future with BESTECH.

Considering Greater Sudbury?

Greater Sudbury is known as an amazing place to live, work, and play! As the capital of Northern Ontario, Greater Sudbury sits at the crossroads of the **great outdoors** and **city culture** – the perfect mix of tranquility and amenities!

Spanning more than 4,000 square kilometres, there are more than 200 kilometres of hiking trails ready to explore! Residents fish, canoe, kayak, swim, skate, play hockey, and enjoy nature year-round.

We also have a range of religious, recreational, and professional associations and communities that help newcomers get to know the city, its culture, and its people.

Greater Sudbury would not be as vibrant and diverse without its two neighbouring First Nation communities and our Francophone population. New residents and visitors often describe Sudbury as offering a “true Canadian experience” because of its cultural mix, heritage, and diversity.