

Automation Engineer

Reports to: Lead Discipline Engineer - Electrical

Hybrid Work Schedule: Remote Option: Monday & Friday / In-Office: Tuesday, Wednesday, Thursday.

Location: North Bay or Sudbury, ON.

Date Posted: November 20, 2023

About Cementation:

Cementation is an underground mine contracting and engineering company. We build mines. Structured to deliver design-build solutions for technically challenging projects, our people build world-class shaft sinking and mine development projects. Our work requires a team approach where respect is expected, and innovation is encouraged if safety is not compromised.

Cementation's engineers and designers have been involved in many major shaft infrastructure projects. Our engineering expertise plays a critical role in our ability to offer design-build services for underground mines and world-class construction projects.

We participate in concept and pre-feasibility studies through the preparation of bankable documents and detailed engineering. Our electrical design work includes MV/LV power distribution, automation, and communication systems for surface and underground mining facilities, buildings, mine shafts, hoists, ventilation, and material handling systems.

Cementation welcomes talented people from other industries. We have found that people from manufacturing and heavy industry, have highly transferable skills, adding great value within the mining industry.

Essential Duties and Responsibilities:

Health and Safety

- Work in compliance with all Health and Safety rules and regulations for Cementation.
- Be aware of any health and safety hazards or infractions and report same to Health and Safety Department.
- Ensure all applicable safety codes and regulations are met by appropriate design and use of technology.
- Be a champion for safety, advocating safe behaviour while incorporating safety into the designs produced by the group.

Key Accountabilities:

- Responsible for the design of process control and communication systems with a focus on PF studies, conceptual design, and detailed design for mines.
- Be the Engineer of Record (EoR) of the projects and collaborate with designers, subconsultants, contractors, project services teams, and the clients.
- Lead the Basic and Detail designs of instrument, process control, and communication systems.
- Prepare construction methodology, process control functional description, automation architecture, and be accountable for engineering deliverables.
- Produce project design criteria, specifications and Datasheet, RFP SoW documents; Complete technical bid reviews, and recommend vendors.
- Manage, review, and approve vendor drawings, DCS and PLC programming; attend FAT's, and SAT's.
- Work in compliance with all Health and Safety rules and regulations for Cementation; Ensure all applicable safety codes and regulations are met by appropriate design and use of technology.

- Participate in design, operability, constructability, and HAZAN and HAZOP reviews.
- Conduct peer engineer review.
- Technical support during site construction and commissioning.
- Provide material and engineering cost estimates to support marketing and proposal submissions.
- Other duties as assigned.

Travel Requirements:

- This position may have the requirement for occasional travel to our project sites and offices. Travel period may range from one day to several weeks and may include overseas assignments.

Supervisory Responsibilities:

- Has no direct reports, however, will direct, oversee, check, and stamp the work of EIT's.

Qualifications:

- Bachelor of Science in electrical or automation engineering degree or equivalent, accredited by PEO or other professional engineering body.
- Registered as a Professional Engineer with PEO or equivalent.
- Previous relevant work experience in EPCM, mining, or heavy industries.
- Minimum 5 to 15 years of relevant working experience.

Skills, Knowledge, and Abilities:

- Leadership of discipline specific design teams; Collaborative team player.
- Effective communicator; Positively reacts to change.
- Knowledge of DCS, PLC, process controls, instrument, communication and network systems
- Knowledge of power distribution, motor protection and controls.
- Practical experience in mining, i.e. hoisting, shaft sinking, mine production and services, material handling, electrification, and digitalization of mining, would absolutely be an asset.
- Knowledge of functional safety (SIL) or safety-related control systems would be an asset.

Supporting a Diverse and Inclusive Workforce:

At Cementation Americas, we believe in diversity and inclusion. We recognize the benefits of a diverse and inclusive workforce, and we strive to provide a work environment that is respectful to all employees. One of our core values as a company is giving employees every opportunity to succeed - this starts with treating everyone with dignity and respect and valuing the unique contribution of every employee.

We encourage applications from people of diverse backgrounds and candidates for employment will be assessed in a non-discriminatory manner. In addition to career development training, all employees are provided with diversity and inclusion training. As a team, we will continue to grow and learn together.

We offer a competitive compensation package for our employees, including a generous group benefits plan, and we are committed to providing training and development for all employees.

To apply for this position, you must be a Canadian citizen or a permanent resident of Canada or authorized in writing to work in Canada under federal immigration requirements. If we are unable to fill the position domestically, it will be re-posted inviting international candidates and/or temporary foreign workers.

How to Apply:

Thank you for your interest in working at Cementation. To apply for this position, you must be a Canadian citizen or a permanent resident of Canada or authorized in writing to work in Canada under federal

immigration requirements. If we are unable to fill the position domestically, it will be re-posted inviting international candidates and/or temporary foreign workers.

Start your application today by following this link <https://cementationjobs.applicantpool.com/jobs/>. Alternatively, resumes can be emailed to recruitment@cementation.com, or faxed to 705-472-0078. When submitting your resume, please include relevant qualifications including, but not limited to, Ontario Common Core.

Thank-you for your interest in Cementation.