

At STT Enviro Corp we are continually seeking innovative and ambitious individuals to join our team. Offering a great client experience for our customers begins with creating a great workplace for our employees.

As an employee of STT Enviro Corp you can expect to work in an environment that offers professional growth, mutual-respect and collaboration. We encourage our employees to bring a desire to change and improve both what we do, and what they do, so that as a company and as individuals we can continually raise the bar in excellence.

Currently, we seek an experienced and motivated Electrical/Mechanical Technician to join our dynamic team.

This position reports directly to the Supervisor, EIC & Field Services and is responsible for designing, specifying, sizing and selecting both mechanical and electrical control systems for the company's scope of equipment supply. The role of the EM Technician also involves traveling globally to customer job sites to field commission or service STT Enviro Corp supplied storage and transfer systems. They will be responsible for commissioning supervision and assistance, in-depth system start-up/service documentation and reporting, on-site troubleshooting, training, PLC/HMI programming and troubleshooting. This position is part of a small team of electrical, electro-mechanical and instrumentation personnel within the company's engineering department.

Responsibilities Include:

- Design, specify, size and select electrical, measurement, and control systems for the company's scope of equipment supply
- Performing Electrical, Instrumentation and Controls (EIC) systems design work including drafting, checking, and approving EIC deliverables
- Verifying EIC design and engineering drawings for conformity to meet project scope
- Providing instrumentation and controls support to mechanical packages
- Program and configure microprocessor based measurement and control systems (PLC and HMI)
- PLC ladder/function block and HMI programming, testing and troubleshooting
- Onsite commissioning and troubleshooting as well as detailed reporting
- Providing technical service/support and troubleshooting to customers and projects
- Electrical system design, electrical enclosure design and layout
- Electrical schematic development
- Selecting, using and maintaining machinery, tools and equipment for the installation and repair of basic mechanical components.
- Selecting and utilizing a variety of troubleshooting techniques and test equipment to assess electro-mechanical circuits, equipment, processes, systems and sub-systems.
- Perform routine technical measurements accurately using appropriate instruments and equipment.

Education and Experience

- Electro-Mechanical or Electrical Technician Diploma
- CET, C. Tech., P.Tech. registration an asset
- Minimum 2 years' related experience

Needed Knowledge, Skills, and Competencies

Knowledge

- Knowledge of electrical design and implementation of electrical codes (especially within North America) to ensure compliance
- Knowledge of industry and regulatory codes and standards such as IEEE, CEC, CSA, etc.
- Proficiency in CAD (AutoCAD Electrical), PLC/HMI programming (RSLogix/Studio 5000, FactoryTalk View, Unity Pro, Vijeo)

- Strong knowledge of Ethernet networking with knowledge of Profibus and Modbus networks.
- Must have experience using hand tools, power tools, hoists, jacks, squares, rules, scales dial indicators and micrometers.
- Good knowledge of Microsoft Office

Skills

- Analytical with attention to detail
- Strong communication and interpersonal skills
- Aptitude for continual learning and development
- Ability to work within a multi-disciplinary engineering team including process, mechanical, civil/structural, electrical, instrumentation, and CAD
- Team player by utilizing strong interpersonal skills to relate well to all kinds of people inside and outside the organization. Builds appropriate rapport with subordinates, peers, and/or managers
- Self-motivated and understands objectives and is proactive in their approach to achieve them. Looks for opportunities to improve upon those objectives. Does not wait to be told what is important or when to take action.
- Professional image focused by adhering to company policies on attire and understanding that their business environment can dictate how they should appear.

Physical Demands

- Willingness to travel as required (up to 40%)
- The employee must occasionally lift and/or move up to 30 pounds.
- May experience tight deadlines and stressful conditions at times.
- May deal with conflict and client relations issues causing stress at times.
- Must be able to manage frequent interruptions and multiple tasks daily.
- Attention to detail and visual concentration required which may cause mental and physical strain.
- Spends a frequent amount of time sitting, looking at a computer screen, talking on the phone, speaking and listening during each work day.
- Spends a frequent amount of time on job sites exposed to the elements and may work long days when required.

Work environment

Travels frequently and works on job sites (potentially remote locations) exposed to weather conditions and construction hazards.

Works in an office environment as required