



AEM Group of Companies has an exciting opportunity for you in the Greater Toronto Area! We are seeking a **Building Automation Technician** to support our initiative of deploying green technologies to reduce greenhouse gas emissions. If you are someone who enjoys seeing their programming, and those of others, in action to reduce greenhouse gas emissions – We want to hear from you!

Reporting directly to the **Automation Manager**, the **Building Automation Technician** is responsible for understanding the process and technologies employed in commercial building heating and cooling systems as well as central heating plants. The incumbent will be required to program, configure, commission, and service automation systems to properly control and monitor the equipment in these facilities. This position is similar to an Automation Programmer with a focus on service and commissioning.

**Duties and responsibilities may require and are not limited to the following:**

*Programming and Commissioning Automation Systems:*

- Interpret detailed engineering drawings and specifications for systems and configure a logical sequence which will control these systems safely and efficiently
- Develop graphical user screens which will visualize the process for the operator
- Configure programmable logic controllers and networks such as BACnet, LonWorks, Modbus, etc.
- Commission controls systems to ensure programming sequence are functioning as per specifications
- Develop energy efficient control strategies to optimize system performance
- Provide technical support to field installation electricians
- Perform project coordination as required on projects

*Service:*

- Support and assist service technicians with troubleshooting controls related to mechanical and electrical systems
- Answer on-calls (on rotating basis) during off hours such as evenings and weekends to ensure customer issues are resolved in a timely manner
- Monitor systems remotely via the BAS or mechanical or technology problems that affect occupant comfort.

*System Integration:*

- Assist with system integration of other equipment manufacturer's systems and networks such as BACnet, Tridium, OPC Server, Variable Speed Drives, Boilers, Recorders, Smart Transmitters, etc.
- Review specifications and drawings for renovations and new construction to drive innovation and compatibility with the existing system

*Systems Diagnostics and Applications:*

- Develop an understanding of the process and technologies involved in building heating and cooling systems and central steam plants and apply knowledge when performing system diagnosis, start up and commissioning, as well as developing solutions to remedy or improve the process

*Communication and Teamwork:*

- Communicate effectively with customers and team members about current projects and any recommendations for repairs or improvements
- Collaborate with other contractors and consultants effectively to ensure issues get resolved in a timely manner
- Ensure consistent follow-up with customers on projects or service-related activities



## Qualifications & Experience

- Post-secondary education in Electronics or Mechanical Engineering Technology coupled with a minimum of 3-5 years of experience in programming, commissioning, and maintenance of HVAC controls systems.
- Successful completion of Engineering Technologist Certification or CET is considered an asset
- Good knowledge of boiler controls, process controls, and HVAC controls
- Good working knowledge of controls such as Honeywell, Reliable, and/or Tridium Niagara
- Good knowledge of DCS, PLC, HMI, System Integration as well as combustion control or process control environments are considered an asset
- Strong computer programming and networking skills,
- Demonstrate excellent organizational with the ability to prioritize tasks and meet deadlines
- Proven ability to analyze and problem solve system issues
- Enjoys working with others and shows willingness to learn new skills and/or share technical knowledge
- Demonstrate good communication skills, both written and oral. Fluency in more than one language is considered an asset
- Ability to create and deliver effective presentations as well as train systems end-users
- Willing and able to work overtime and on-calls as required
- Willing and able to travel to job sites and perform commissioning, service, and maintenance.

## TO APPLY

If you are interested in joining our team; please forward your resume to [careers@aemltd.com](mailto:careers@aemltd.com) This job ad will be available until the position is filled.

We thank all applicants for their interest in a career with AEM. We will contact those applicants chosen for an interview.