



Advanced Energy Management Ltd.

*Putting our **energy** into saving yours*

Advanced Energy Management Ltd. (AEM) wants you to join our growing company and talented team! AEM is a company who has been in business for over 30 years in the Atlantic Provinces and has strategically expanded in Ontario through its sister company called ProTherm Ltd. who have been in business for over 30 years, and Bacon Engineering Ltd. who have been in business for fifty years.

WHAT WE OFFER

At Advanced Energy Management (AEM) Ltd., we believe in hard work and a good quality of life. Our work environment is one in which people enjoy coming to work. We empower people to make decisions and do whatever it takes to delight customers and take time to have fun and develop relationships with employees. Some benefits are:

- Above-industry Wages
- Work-life Balance, Friday Afternoons Off
- Group Benefits and RRSP
- Fitness Allowance

We are currently seeking for a self-motivated, multi-tasker, and computer savvy individual to join our team as the **Automation Programmer** to work in Moncton, New Brunswick.

Reporting directly to the **Automation Manager**, the Automation Programmer is responsible for understanding the process and technologies employed in building heating and cooling systems as well as in 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.

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 and generate graphical user screens which will visualize the process for the operator based on design documents.
- Configure programmable logic controllers and networks such as BACnet, LonWorks, Modbus, etc.
- Develop energy efficient control strategies to optimize system performance.
- Perform a startup and commissioning of complete Building Automation Systems efficiently and effectively.
- Perform a point-to-point checkout as per standard procedures.



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- Perform software/hardware calibration required for proper equipment and system operation.
- Complete project commissioning documentation.
- Maintain on-going project as-built documentation.
- Provide technical support to field installation electricians.
- Troubleshoot, repair, or coordinate in-depth repairs of building automation system using software, multi-meters, and other diagnostic tools.
- Perform project coordination as required on projects

Service:

- Support service for automation and control systems 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

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.

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
- Work closely with installation subcontractors and coordinate work to ensure projects are completed on time and as per code, standards, and contract requirements.
- Ensure consistent follow up with customers on projects or service-related activities



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Qualifications & Experience

- Post-secondary education in Instrumentation, Electronics or Mechanical Engineering Technology coupled with a minimum of 3-5 years of experience in programming and commissioning of HVAC control systems.
- Good knowledge of boiler controls, process controls, and HVAC controls
- Strong computer programming and networking skills
- Successful completion of Engineering Technologist Certification or CET is considered an asset
- Good knowledge of DCS, PLC, HMI, System Integration as well as combustion control or process control environments are considered assets
- Demonstrate excellent organizational and prioritizing skills to effectively manage time and meet deadlines
- Proven ability to analyze and problem solve system issues
- Demonstrate excellent interpersonal skills with the ability to build professional credibility and trust
- Enjoys working with others and demonstrates willingness to learn new skills and share knowledge
- Demonstrates good communication skills, both written and oral. Fluency in more than one language is considered an asset
- Able to create and deliver effective presentations as well as train other employees
- Willing and able to travel periodically to inspect job sites and perform commissioning. Travel may be to other Canadian provinces.
- Able to work overtime and on-calls as required
- Must be fully vaccinated against the COVID-19 virus

TO APPLY

If you are interested in joining our team; please apply for this position by sending your cover letter and resume to careers@aemltd.com, The job ad will be taken down until the position is filled.

We thank all applicants for their interest in a career with AEM. Only successful candidates will be contacted for an interview.