



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 into Ontario through its sister company Bacon Engineering Limited who have been in business for fifty years. We are specialist in process controls for combustion systems and have customers throughout Canada.

AEM is known for optimizing central energy plants through installation of process controls. We are currently seeking an **Industrial Combustion Controls Designer** within the Moncton area of New Brunswick. The ideal candidate must have Electronics Engineering Technology, Instrumentation Control technology, or a relevant technology or engineering degree. Process controls experience, and/or combustion controls knowledge would be an asset.

Reporting directly to the **Industrial Project Manager**, the **Industrial Combustion Controls Designer** is primary responsible for providing design of combustion controls systems in industrial plants throughout Canada.

Responsibilities include, but are not limited to the following:

Design:

- Design control schematics for process control systems including detailed wiring schematics, panel drawings, I/O data sheets, instrument specification sheets.
- Develop control sequences and narratives for combustion systems through interpretation of existing preliminary design information as well as knowledge of combustion systems.
- Assemble applications for submittals to provincial regulatory authorities
- Assemble training and operations manuals
- Assemble as built documentation and manuals

Quality Assurance:

- Develop commissioning plan for process control systems
- Perform factory acceptance testing of control systems
- Develop detailed functional performance testing sheets and procedures to support all aspects of commissioning the control system
- Throughout the project manage any design changes
- Throughout the project manage the paperwork required to demonstrate the commissioning process
- Occasionally participate in commissioning and start up and field service

Control Panel Fabrication:

- Fabricate and wire process control panels
- Commission and FAT testing of panels
- Certification of Panels

Develop Technical knowledge:

- Regularly review all relevant codes and provincial regulations for process/combustion controls and process safety to ensure designs meet all codes and standards
- Understands the intricate details of designing combustion controls
- Continuously learns new process control system systems and understand how to assemble various components into a working system

QUALIFICATIONS AND EXPERIENCE:

- post-secondary education in Instrumentation, Electronics or Mechanical Engineering Technology (Industrial) or any engineering courses coupled with a minimum of three (3) years' related work experience in industrial process controls
- Certified Engineering Technologist is an asset
- proven ability to develop an understanding of the entire combustion/boiler processes and applies knowledge in performing Control System Design.
- excellent analytical and problem-solving skills with the ability to effectively troubleshoot industrial control systems
- working knowledge of DCS, PLC, HMI, and system integration is an asset
- demonstrated understanding of AutoCAD, Microsoft Word, Outlook, and Excel
- ability to communicate effectively with customers and team members
- strong oral and written communication skills in English with the ability to effectively present to clients and management team. Fluency in more than one language is an asset
- self-motivated with the ability to work under minimal supervision
- effective time management skills with the ability to meet tight deadlines
- strong interpersonal skills with the ability to influence and work well with others
- willing and able to travel occasionally to job sites throughout Canada is a requirement.
- ability to work overtime outside the normal working hours with minimal notice

WHAT WE OFFER

At AEM, 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:

- Group Benefits and RRSP
- Above-industry Wages
- Fitness & Clothing Allowance
- Flexible working hours

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, quoting your full name and competition number **AEM2004** in the subject line. The posting will close end of day on **Friday October 9th, 2020**.

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