



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. Through our branch office in Ontario, we help industrial boiler plants reduce energy consumption and greenhouse gas emissions. We are currently seeking for a **Controls and Instrumentation Technician**.

Reporting directly to the **Controls and Instrumentation Team Leader**, the **Controls and Instrumentation Technician** is primarily responsible for providing configuration, service, start up and commissioning of combustion controls systems in industrial plants.

Duties and responsibilities may include, but are not limited to the following:

Service:

- calibrating boiler room instruments using the National Institute of Standards and Technology (NIST)
- testing and tuning industrial boilers to achieve maximum combustion efficiency
- tuning of process controller to ensure process variability is reduced, efficiency is maximized, energy costs are minimized, and production rates can be increased
- troubleshooting and repairing of all elements of a combustion controls system including PLC's DCS, HMI's stand-alone controllers, primary and final control elements, recorders, data acquisition, burner management systems, fuel delivery systems, annunciators, compressed air, make up water, DA, and feedwater.
- providing recommendations for repair and improvements

Retrofit & New Installations:

- retrofitting and installing new primary and final control elements
- supervising other trades as required
- installing and commissioning of all elements of a combustion controls system including PLC's DCS, HMI's stand-alone controllers, primary and final control elements, recorders, data acquisition, burner management systems, fuel delivery systems, annunciators, compressed air, make up water, DA, and feedwater.
- performing start up and commissioning
- testing combustion and operational efficiency
- maintaining backup and revision documentation for control systems and instrumentation

Communication and Teamwork:

- communicating effectively with customers and team members on what work is being done, and any recommendations for repairs or improvements and follows up with customers.

Ethics and Values:

- respecting the values and code of ethics of the company

Qualifications & Experience

- post-secondary education in Instrumentation, Electronics or Mechanical Engineering Technology or any engineering courses coupled with a minimum of three (3) years' related work experience in industrial instrumentation controls
- Certified Journeyman Instrumentation Technician and or Certified Engineering Technologist is an asset
- proven ability to develop an understanding of the entire combustion/boiler processes and applies knowledge in performing system diagnosis, start up and commissioning, and developing solutions to remedy or improve the process
- 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.
- 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 within and outside the province of Ontario on as needed basis
- able to lift up to 50lbs unassisted, perform repetitive tasks, and work in inclement weather and/or work areas where heat/cold could be a factor
- willing and able to work overtime on as needed basis with minimum 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

TO APPLY

If you are interested in joining our team; please apply for this position by emailing your resume and cover letter to careers@aemltd.com and be sure to include the completion number **AEM2013** in the subject line. This job ad will close **end of day Friday September 10th, 2021** or until the position has been filled.

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