

August 2023

Automation Specialist

Vancouver, BC

Company Description

Creative Energy (<http://creative.energy/>) owns and operates one of the largest district energy systems in North America. Since 1968, they've been delivering outstanding customer service with a 99.99% reliability record; today, their original plant in downtown Vancouver now serves over 215 customers across more than 45 million square feet of connected real estate. Aiming to bring low-carbon energy to cities across North America, Creative Energy is currently developing 12 new district energy projects with a range of innovative technologies including air source heat pumps, ocean-exchange, geo-exchange, heat recovery, thermal storage, solar PV, and microgrids.

Through collaboration and partnerships, Creative Energy designs, builds, owns, operates, finances, and maintains sustainable community scale energy systems. Serving Canadian energy needs for over 50 years, Creative Energy's value proposition is based on a foundation of service reliability, exceptional customer service and continued growth. They know what it takes to build and operate the next generation of infrastructure that will help our cities meet their energy, climate and resiliency objectives.

Role & Responsibilities

The Automation Specialist will leverage their knowledge, training, and experience to improve the visibility and monitoring of Creative Energy's new and established district energy systems.

Reporting to the Director of Engineering, the successful applicant will work closely with engineering personnel to drive the integration and visualization of existing and upcoming district energy systems.

Responsibilities include:

- Integrate and commission devices and control systems.
- Connect new and existing control systems and devices to the centralized historian.
- Develop control documentation for new energy system constructions.
- Program key performance indicators to monitor the efficiency of district energy operations.
- Develop dashboards for monitoring district energy system key performance indicators.
- Work with APIs to integrate operational data lake with enterprise applications.
- Help maintain IT/OT DMZ hardware and software environment.
- Provide input into improvement of current automation and cybersecurity practices.

Qualifications

- Engineering degree or technologist diploma in relevant fields.
- Industrial control systems experience strongly preferred (ex: systems integrations, commissioning, and startups).
- Experience with industrial and building system communication protocols and networking (TCP/IP, OPC UA, BACnet, and Modbus are assets).
- Programming experience (LUA and JSON are assets but not required).
- Familiarity with HVAC technology (beneficial but not essential)
- Strong aptitude for learning new systems and techniques.
- A resourceful, creative approach to problem solving.
- Valid Class 5 driver license.

HOW TO APPLY

This is an exciting opportunity with an innovative leader in District Energy Systems. We offer an attractive remuneration and benefits package and are committed to your ongoing professional growth and development. We thank all applicants for their interest; however, we will only be contacting selected candidates for follow-up. Please send your application to careers@creative.energy