



## Title of Position and Code

Staff Controls/Automation Engineer – CAE-WA-20-07

# Staff Controls/Automation Engineer

As industries change, so do their needs. Safe, reliable and efficient process automation is critical to the success of every business. H2E, a world-class electrical engineering consulting firm provides their clients with industry leading automation solutions. We develop process control systems and solutions in Mining, Light Metals, Hydro Electric, Cement, Aggregates, WWTP, Utilities, DOE, Food Processing, Manufacturing and Wood Products. We are still going strong in our Liberty Lake, WA headquarters despite the COVID-19 pandemic!

If you're looking for a challenging and fulfilling career in process control and automation, come join our team as a Staff Controls/Automation Engineer.

### **About Your Work:**

You will work alongside talented engineers and designers to develop processes and design control, PLC, and SCADA/HMI systems for our clients. You'll have the opportunity to automate and commission factories, sawmills, mines, manufacturing plants and hydroelectric facilities. Your creativity and ingenuity are required.

The best candidates possess functional knowledge of process control and automation systems. They can perform assignments to develop professional engineering work for controls/automation engineering related fields. They will also learn and use advanced techniques in the modification or extension of theories and practices of sciences and disciplines to complete assignments.

### **Essential Responsibilities:**

#### **Technical**

- Gains and applies a working knowledge of current principles and practices of Controls/Automation engineering
- Assists with control system network design, I/O loading and partitioning, automation equipment selection, specification and procurement
- Assists with development of process control logic functional narratives, HMI graphics, SCADA design and automation studies, logic drawings, location plan drawings, cable schedules, interconnection drawings, schematics, etc.
- Reads and interprets control system, construction and installation drawings
- Develops equipment specifications and construction specifications
- Assists with the preparation of permit applications, material testing, basic design tasks, and CADD work
- Assists with design verification, systems testing, panel inspections and factory acceptance testing of controls/automation systems
- Assists with performing fieldwork including start-up, testing and commissioning of medium and low voltage equipment
- Observes construction activities and visits construction/plant sites and fabrication shops during design phase on as required basis



## Staff Controls/Automation Engineer

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### **Leadership / H2E & Project Management**

- Obtains a working knowledge of project execution concepts and practices
- Assigns tasks to and coordinates with technicians, administrative staff and supports Senior and Principal Engineers
- Assists with proposals to provide professional services
- Assist to complete projects within scope, on time and on budget with safety and quality requirements met
- Monitors project execution via project schedules

### **Communications**

- Represents the organization in communications and documentation pertaining to broad aspects of engineering assignments
- Possesses advanced oral and written communication skills
- Regularly interacts with clients, customers, officials, contractors, and others

### **Ownership / Growth / Direction**

- Develop the ability to work independently with minimal supervision upon assignment of tasks. May require some technical and/or procedural help
- Continual self-improvement in latest technology and equipment in the industry
- Continual self-improvement in interpersonal skills and effective oral and written communications
- Display personal accountability for your assignments - owning your scope, following schedules and knowing and maintaining your budgets
- Follow Company policies, procedures and work instructions as found on the Company network

### **Minimum Qualifications:**

- Minimum of two years' experience with a Consulting Engineering firm or Industrial/Utility environment
- Bachelor's Degree in Engineering from an ABET accredited program
- EIT certification required
- Knowledge in PLC concepts and the application of these concepts to meet various process applications
- Knowledge of various SCADA platforms (i.e. RSView, WonderWare, Inductive Automation, etc.)
- Knowledge of various PLC platforms (i.e. Rockwell, Allen Bradley, GE, Schneider, Siemens)
- Working knowledge of construction techniques
- Ability to effectively obtain, develop and communicate technical information to both clients and customers
- Ability to work efficiently and effectively when managing multiple tasks
- Effective oral and written communication and excellent interpersonal skills with the ability to work through the resolution of project related issues
- Must be self-motivated, results oriented, and be flexible to work well under tight schedules in a fast-paced team environment
- Ability to travel for startup and commissioning activities is required – travel requirements approximately 20% per year
- Efficient in the use of MS Office software suite: Outlook, Excel, Word, OneNote, Project and Access

### **What H2E offers:**

- Competitive Wages
- Health/Dental/Vision benefits/401k/Profit Sharing
- Flexible hours
- Holiday, Sick, and Vacation Time



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- Opportunity for Advancement
- Amazing Team Environment

### **How to Apply:**

Please review the position posting and respond with cover letter and resume. Including previous work samples as appropriate is highly encouraged. Apply via E-mail to [recruiting1@H2Einc.com](mailto:recruiting1@H2Einc.com)