



#### **Title of Position and Code**

Principal Controls/Automation Engineer – PCAE-WA-19-01

# Principal Level Controls/Automation Engineer

H2E does the right thing for industrial clients and team members. The result is world-class electrical engineering, process and design. We work with Mining, Light Metals, Hydro Electric, Cement, Aggregates, WWTP, Utilities, DOE, Manufacturing and Wood Products. We are currently looking for an experienced Principal Controls/Automation Engineer to work and grow with us at our Helena, MT office.

#### **About Your Work:**

You will work with other engineers, designers, and clients to develop processes and design control, PLC, and SCADA/HMI systems for our clients. You'll have the opportunity to automate factories, saw mills, mines, manufacturing plants and hydroelectric facilities. Your creativity is required.

The best candidates will apply their extensive and diversified knowledge of principles and practices in broad areas of automation engineering assignments and related fields. They will also use advanced techniques in the modification or extension of theories and practices of sciences and disciplines to complete assignments.

#### **Essential Responsibilities:**

##### **Technical**

- Demonstrates industry-leading creativity, foresight, and judgment.
- Makes authoritative decisions and recommendations, with far-reaching impact on the organization.
- Provides technical direction to the controls team in control system design and implementation within project scope.
- Provides recommendations and direction for change management within active projects.
- As required, performs control system design and implementation.
- Serves as the highest-ranking technical resource to control/automation engineered systems.
- Mastery in the development of controls, PLC & SCADA software and instrumentation-based control systems.
- Implements the definition and oversees the coding phases of software projects, including specifications, control descriptions and client feedback.
- Directs, and as required, performs fieldwork (data collection, start-up, testing and commissioning of control systems).
- Takes the lead in technical research for all things control and automation.
- Directs staff oversight, and as required oversees efforts at construction/plant sites and fabrication shops during design phase on an as required basis.

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(509) 927-2424 | (509) 927-2422**



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

- Makes requests for/recommendations about project resourcing and talent development for Controls/Automation Team projects.
- Manages project team activities, communicates changes and progress. Coordinates to complete projects within scope, on time and on budget with safety and quality requirements met.
- Manages risk, assigns tasks to and directs engineers and project team members.
- Prepares scopes, budgets, and schedules for assignments. Develops and maintains project deliverables lists for all active projects.
- Tracks progress of project deliverables to ensure contract requirements are met per schedule.
- Develops and assists with proposal development for professional services.
- Decides the kind and extent of engineering and related process needed based off contract requirements for accomplishing the objectives for the client and H2E.
- Develops technical standards and guidelines.
- Leads the engineering process via the Quality Management System.
- Provides technical guidance, training, mentoring and development of control/automation engineers.
- Manages Client expectations during project execution, within contract requirements, and manages scope creep.

### **Communications**

- Make recommendations about project resourcing and talent development within the Controls/Automation Team.
- Negotiates critical and controversial issues with top-level engineers and officers of other organizations.
- Represents H2E and conducts presentations/technical papers at technical/industrial conferences.
- Possesses exceptional oral and written communication skills.
- Initiates and maintains extensive contacts with engineers, clients, vendors and other organizations.
- Demonstrates skills in persuasion and negotiation of critical issues.

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

- Makes authoritative decisions and recommendations, with far-reaching impact on the organization.
- Continual self-improvement in latest technology and equipment in the industry.
- Assist in developing growth and mentoring plans for Entry Engineers through Senior Engineers.
- Models and inspires continuous improvement in others.
- Continual self-improvement in interpersonal skills and effective oral and written communications.
- Ability to resolve project related technical issues to move the team and the company forward.



## Principal Level Controls/Automation Engineer

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### **Minimum Qualifications:**

- Experience representative of 15+ years with a Consulting Engineering firm or in an industrial/utility environment.
- Bachelor's Degree in Engineering from an ABET accredited program.
- Substantiated expertise in PLC concepts and the application of these concepts to meet various process applications.
- Proven knowledge of various SCADA platforms (i.e. RSView, WonderWare, Inductive Automation, etc.).
- Proven knowledge of various PLC platforms (i.e. Rockwell, Allen Bradley, GE, Schneider, Siemens).
- Working knowledge of construction techniques.
- PE licensed preferred or ability to obtain PE within one year of hire.
- Ability to effectively obtain, develop and communicate technical information to both clients and customers.
- Ability to work efficiently and effectively while managing multiple tasks.
- Must be self-motivated, results oriented, and able to work well under tight schedules in a fast-paced team environment.
- 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
- Flexible hours
- Holiday, Sick, and Vacation Time
- 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)