



Staff Designer - Engineering

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 Staff Designer to work and grow with us at our Liberty Lake, WA headquarters.

About Your Work:

You will work with engineers, designers, and clients to design industrial Electrical Engineering projects in Power and Controls/Automation. You'll have the opportunity to automate factories, saw mills, mines, manufacturing plants and hydroelectric facilities. Your creativity is required.

In general, the Staff Designer will perform electrical design duties on projects including power distribution, electrical design, process control design, and instrument and control design. The best candidates possess a basic knowledge of electrical power and automation systems. Under direction of Senior Designers and Engineers, they can perform assignments designed to develop professional engineering work, knowledge and abilities. It requires application of standard techniques, procedures and criteria in carrying out a sequence of related engineering tasks. Demonstration of judgement is required on details of work and in making decisions and adaptations of engineering alternatives.

Essential Responsibilities:

Technical

- Provide directed design services to meet customer specifications, drawings, and control & power system requirements
- Provide support for the design of electrical layouts, drawings and wiring diagrams, working from instructions, vendor or client drawings, proposals, specifications and other information provided by Engineers, Senior Designers and/or clients. Examples are:
 - One-line diagrams, three-line diagrams, cable & conduit schedules, cable block diagrams, general arrangement drawings and details, equipment elevations, area classification drawings, raceway routing, load calculations, panel layouts, and other electrical plans, details, sizing and layouts
 - P&IDs, network communication drawings, detailed industrial control panel layouts, bills of material, PLC I/O drawings, instrument location diagrams, hardwired interlock, block diagrams, logic diagrams, panel layouts, wiring diagrams, and other controls/automation plans, details, sizing and layouts
 - Assembled documentation packages, provide estimates, schedules, material lists, design concepts, design specifications, design drawings and other documentation for facilities which are reviewed by an Electrical Engineer and/or Project Manager
- Develop the ability to read power and motor control circuits and working knowledge of power and/or instrumentation design (Conduit sizing, simple loop diagrams, etc.), perform calculations for lighting, voltage drop, grounding, service/feeder size
- Comply with standards and procedures of H2E, its clients and customers
- Obtain a working knowledge of NFPA 70, NEMA ratings and area classifications
- Use computer aided design equipment and/or conventional design stations, technical handbooks, calculators, and ability to obtain technical information from various sources to implement designs
- Under the guidance by a Senior Designer, independently perform fieldwork, technical research and basic troubleshooting - visit construction/plant sites and fabrication shops during design phase on an as required basis



Leadership / H2E & Project Management

- Has or obtains a working knowledge of project execution concepts and practices
- Assign tasks to and coordinates work with entry-level engineers, technicians, drafters or administrative staff
- Assist to complete projects within scope, on time and on budget with safety and quality requirements met
- Monitor project execution via project schedules

Communications

- Collaborate with engineering staff and other personnel to find solutions throughout the design process
- Represent the organization in communications and documentation pertaining to aspects of assigned engineering tasks
- Interact with contractors, clients, and facility operators
- Possess effective oral and written communication skills
- Assists with client, customer, or official contacts and communication pertaining to specific assignments or meetings

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
- Follow Company policies, procedures and work instructions as found on the Company network

Minimum Qualifications:

- Three to five years electrical design experience with a background in Consulting Engineering or Industrial/Utility facility design/operation
- AS degree in Electrical or CAD/Drafting Technology required
- Efficient in the use of Autodesk's AutoCAD for preparation of electrical drawings (AutoCAD Electrical Package experience is a plus)
- Experienced with national electrical codes and electrical industry standards is a plus
- Experienced in process controls, and medium/low voltage electrical distribution is a plus
- Have general knowledge of other related disciplines (mechanical & structural)
- Ability to work efficiently and effectively when managing multiple tasks
- Effective oral and written communications 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
- 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
- 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.