

Instrumentation & Controls Engineer

Responsible for instrumentation selection and vendor outreach. Development of instrument specification sheets, sourcing such instruments and working with vendors to assure applicability. Development of instrument standards database for costing and process usage. Supporting Process & Project Engineers in selecting and specifying all instrumentation and automated valving and controls.

Essential Duties & Responsibilities:

- Provide an up-to-date source of knowledge for types of instruments and applications, by maintaining close contact with vendors and industry trends.
- Specification, review and selection of all types of valves and instrumentation for the control and monitoring of industrial process equipment.
- Review customer specifications to develop scope of supply and implementation. Develop detailed instrumentation cost estimates. Prepare bid specifications and review vendor documentation for adherence to project specifications.
- Collaborate with other engineering and drafting disciplines to design instrumentation and control systems.
- Instrumentation, control system and electrical inspection, testing (FAT), commissioning and start-up. Including: module assembly shops, control panels, instrumentation and other electrical components.
- Design, review and assist in creation of:
 - Specifications for process instrumentation.
 - Process functional control descriptions.
 - Electrical documents such as: loop diagrams, wiring diagrams, control panel drawings, electrical installation details, etc.
 - Piping and Instrumentation Diagrams (P&IDs).

Requirements and Qualifications:

- Engineering or technical Bachelor's degree. Chemical, Electrical or Mechanical Engineering preferred.
- Minimum of 5 years of relevant work experience, previous experience working directly with instrumentation and valving vendors.
- Excellent communication skills and the ability to work independently as well as part of a team. Must possess creative problem-solving skills, strong critical thinking skills and a high attention to detail.
- Highly proficient computer skills.

Koch Modular offers a comprehensive benefit package that includes:

- Health Insurance Plan
- Flexible Spending Accounts
- Healthcare Reimbursement Arrangement
- Short and Long-term Disability Plans
- 401(k) Profit Sharing Plan
- Bonus Program
- Work From Home Policy
- Employee Referral Bonus Program
- Voluntary Benefit Plans
- Paid Holidays
- Paid Time Off
- Group Life / AD&D Insurance
- Tuition Assistance Program
- Business Casual Attire

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Minority/Female/Sexual Orientation/Gender Identity/Disability/Veteran**