

**Koch Modular Process Systems, LLC
Job Description**

Process Controls Engineer

Department: Electrical, Instrumentation & Controls

Location: Paramus, NJ

Reports to: Manager – EI&C

Job Summary:

Responsible for developing specifications as well as design, review, development and commissioning, of electrical, instrumentation and control systems for industrial equipment.

Essential Duties & Responsibilities:

- Design, review and assist in creation of:
 - Specifications for electrical components such as: process instrumentation, motors, lighting, control systems, electric heat tracing, etc.
 - Process functional control descriptions.
 - PLC/HMI/DCS programming.
 - Electrical documents such as: loop diagrams, wiring diagrams, control panel drawings, electrical installation details, etc.
 - Piping and Instrumentation Diagrams (P&IDs).
- Control system and electrical inspection, testing (FAT), commissioning and start-up. Including: module assembly shops, control panels, instrumentation, other electrical components and control system programming.
- Review customer specifications to develop scope of supply and implementation. Prepare bid specifications and review vendor documentation for adherence to project specifications.
- NFPA/NEC/CSA/ATEX electrical design for hazardous area applications.
- Collaborate with other engineering and drafting disciplines to design electrical and control systems.
- Specification, review and selection of all types of valves and instrumentation for the control and monitoring of process equipment.

Requirements and Qualifications:

- Engineering or technical bachelor's degree. Electrical or Chemical Engineering preferred.
- Minimum relevant work experience: 2 years with engineering degree or 5 years with other technical degree. Multi-disciplinary engineering or technical background a plus.
- Experience with AutoCAD, DCS/PLC programming a plus. Additional training to be provided as needed.
- Energetic individual with highly proficient computer skills.
- 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.

This job description does not create an employment contract, implied or otherwise, other than an "at will" relationship.