

Instrument & Controls Designer



Summary of Position

The candidate is responsible for producing a high volume of accurate product designs, information, calculations, etc. to internal and external customers on time and within budget.

Responsibilities

- ➔ Prepare electrical and control designs of systems and equipment for fabrication as per the requirements and in accordance with applicable client specifications, recognized Codes, Standards, and Recommended Practices, and Eco-Tec procedures and standards. Providing detailed knowledge of P&IDs, ISA documentation, control system design, logic description documentation, and Bills Of Materials.
- ➔ Prepare additional project documentation such as single line diagrams, loop drawings, data sheets, etc., as per the requirements and in accordance with applicable Client specifications, recognized Codes, Standards, Recommended Practices, and Eco-Tec procedures and standards.
- ➔ Plan and schedule activities, evaluate best value alternatives, strictly adhere to approved schedule and to budget. Keep up to date with technical developments on the project.
- ➔ Provide leadership for the instrument components on single or multi-disciplinary projects on an ongoing basis.
- ➔ Manage multiple tasks independently, efficiently, and effectively, and in a multi-disciplinary team environment.
- ➔ Develop control logic and specification for control equipment for the various processes.
- ➔ Ensure excellent accuracy of all design work generated and specify acceptable tolerances.
- ➔ Provide extensive support to the Materials group to facilitate procurement of parts and to the Manufacturing group to facilitate the fabrication process.
- ➔ Perform modifications and as-built changes to current project designs as well as to standard drawings and documents.
- ➔ Review bid specifications from customers and assist in technical preparations for tendering and proposals.
- ➔ Develop and maintain communication channels with customers, and internal personnel to ensure that work flows smoothly, as well as provide first class engineering services.
- ➔ Identify potential problems, review and then mitigate with developed action plans. Provide active field support including troubleshooting.
- ➔ Propose and suggest technical and non-technical procedural improvements.

Requirements

- ➔ Degree in Electrical Engineering (Instrument & Control) or diploma in Instrumentation & Controls Technology.
- ➔ Minimum five years experience in instrument and controls engineering in a manufacturing environment.
- ➔ Strong electrical aptitude, logical thinker, detail oriented, superior command of the English language, (written and verbal), independent decision maker, strong organizational skills, flexible, team player, multi-tasker, quick learner.
- ➔ Excellent troubleshooting and problem solving skills. Proficient computer skills (MS Office, AutoCAD drafting.)
- ➔ Overtime will be required.

Interested candidates can visit our website and apply on-line or send a cover letter and resume to careers@eco-tec.com. We thank all applicants for their interest; however, only those being considered for an interview will be contacted.