

I&E DESIGNERS – MID-SENIOR LEVEL

Summary/Objective

The I&E Designer will work with engineers and project managers to develop robust and reliable prepackaged buildings, process skids, cryogenic plants, power racks, control systems and other I&E systems in the oil and gas industry.

Essential Functions

Reasonable accommodations may be made to enable individuals with disabilities to perform essential functions.

- Work directly with engineers and project managers to produce computer-aided drafting and design drawings from specifications, source control drawings, sketches, or verbal instructions.
- Develop project deliverables in accordance with MCSI, client, and industry standards.
- Work closely with all departments to ensure that the drawings convey the correct information and are error free.
- Provide guidance and direction to junior level personnel. (Senior Level)
- Create complex electrical and control schematics. (Senior Level)
- Adhere to department and company policies, processes, and procedures.

Required Education and Experience

- High school diploma or equivalent.
- Must have 2+ years' design experience with electrical and control system design projects in industrial applications. (Mid Level)
- Must have 10+ years' design experience with electrical and control system design projects in industrial applications. (Senior Level)
- Proficiency with AutoCAD and Microsoft Office Suite required.
- Basic knowledge and understanding of the National Electrical Code is required. (Mid Level)
- Knowledge and understanding of NEC, API-RP500, IEEE, API-RP552, and other industry codes and standards is required. (Senior Level)
- Capable of interpreting and producing motor control schematics, protective relay schematics, and 1-line diagrams.
- Able to work with project management and engineering personnel to develop conceptual designs for bid purposes.
- Able to review project documentation, specifications, and scope of work and identify missing design information.
- Willing to travel to perform site walk-downs and facility As-Builts.
- Capable of producing field sketches and generating designs from information collected.
- Able to work directly with shop personnel to problem solve or mitigate changes.
- Able to check the work of other designers for accuracy.
- Self-sufficient and detail oriented.
- Ability to multitask in a challenging and dynamic working environment.
- Great customer service, organizational, interpersonal, and written/verbal communication skills.



- Ability to read and write English, follow policies.
- Current trade license or certificate of training.

Preferred Education and Experience

- Associate's degree or relevant trade school experience.
- Experience with Microsoft Access.
- AutoCAD 3D and/or CADWorx experience.

Physical Demands

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job.

While performing the duties of this job, the employee is regularly required to talk and/or hear. The employee is occasionally required to sit; climb or balance; and stoop, kneel, crouch and/or crawl. The employee must frequently lift and/or move up to 10 pounds and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and ability to adjust focus.

Position Type and Expected Hours of Work

This is a full-time position. Typical days and hours of work are Monday through Friday 8:00 a.m. to 5 p.m. Some flexibility in hours is allowed, but the employee is expected to work a minimum of 40 hours each week.

Travel

Some travel is expected with this position. Occasional travel to jobsites may be required to review job scope of work and QA/QC compliance. Occasionally, the jobsite will be out of the area and overnight stay may be required.

Location

This position is on-site in the Katy, TX location.

Work Authorization/Security Clearance

Must be eligible to work in the United States.