

Job Title: **Instrumentation & Electrical (I&E) Engineer**

Location: **Texas (Houston area)**

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Position Overview: Chemical Manufacturing company currently have an opening for an **I&E Engineer** at their production site in Texas (Houston area). The position reports to the Engineering & Maintenance Manager.

Leads multiple moderate to large projects in the Process Control system, Instrumentation and Electrical disciplines. Performs a variety of routine or complex Engineering Tasks related to Process Control Systems, Instrumentation and Electrical. Provides technical support on Control Systems Hardware and Software. Develops Project cost estimates, schedules and resource plans. Establishes engineering standards. Explore innovative solutions in the Process Control, Instrumentation and Electrical disciplines. Must be able to lead/manage projects in other disciplines.

Responsibilities:

This position is responsible for Optimum Process control Implementation leading to productivity improvement, volume increase, cost savings and quality improvement.

Responsible for the safety and reliability of the plant Process Control Systems. Responsible for completing E&I (Electrical & Instrumentation) projects on schedule, within the allocated budget and with the specified deliverables. Responsible for E&I Maintenance. Performs environmental analysis and ensures that the operation of the ASL meets all site HSE requirements.

Proposes and justifies to Management and upper Management the technical options required to maintain, expand or upgrade the Plant Control System, Instrumentation and Electrical assets. Has technical authority in the Process Control and E&I disciplines.

Subcontracted staff reporting indirectly to this position (may vary depending on projects load): 1 electrical superintendent, 2 electricians, 1 instrument fitter and 3 maintenance E&I designers/technicians.

Requirements:

- Candidate must have a B.S. in Electrical Engineering or Chemical Engineering
- 5-10 years of manufacturing experience in the Process Control and E&I disciplines.
- Technical team leadership and strong project management experience is required.
- Yokogawa CS3000 experience
- Autocad experience to update drawings
- Medium or High Voltage Experience
- Electrical experience with control systems.
- Experience with 480 volt control motors and starters - analyze 1 line diagrams for the plant's electrical distribution system
- High voltage experience to rewrite preventive maintenance plans for high voltage systems