

Position Profile: 2242

## Electrical and Instrumentation Engineer (Contract)

Greater New Orleans Area



Prepared By: *ECIG*

This position profile has been compiled by ECIG to identify and hire for the specified role. The following is provided for your personal information and should be kept confidential.

## Electrical Instrumentation Engineer (Contract) [2242]

ECI has identified an immediate need for **Contract Electrical and Instrumentation Engineer** to work onsite at our client's neoprene production unit in the Greater New Orleans area for a minimum six (6) month assignment. This position reports to the Manufacturing Technology Manager and is responsible for providing technical support for the operation, maintenance and continuous improvement of the facilities Electrical and Instrumentation infrastructure.

### YOUR ROLE WITH THE COMPANY:

As a **Contract Electrical and Instrumentation Engineer** to our client your primary responsibilities will include:

- Troubleshooting activities and performing routine work efforts to maintain and improve process control utilization and reliability
- Providing routine work efforts to maintain and improve unit performance
- Designing, reviewing, and modifying regulatory and advanced regulatory control loops and regulatory loop tuning, alarm and point configuration and console operator HMI graphics
- Champions and implements improvements in systems capabilities that will increase the ability to meet customer needs and improve business competitiveness.
- Provides technical assistance to businesses in support of top line growth, asset effectiveness, improvement programs and major capital projects.
- Maintains technical knowledge of process instrumentation equipment (pressure, flow, temperature, control valves, etc.)
- Maintains technical knowledge of 2.4 kV and 480V switchgear, protective relays application and testing, 2.4kV and 480V motor control centers and motors, and 120/208 VAC uninterruptible power systems.
- Develops predictive and preventative maintenance procedures to insure improved equipment reliability.
- Provides trouble shooting support and follow-up on instrumentation and electrical equipment failures, determining root cause and identifying actions to prevent recurrence.
- Develops and designs applications of instrumentation and control systems to integrate with the existing distributed control systems.
- Evaluates the existing instrumentation and utilizes engineering design processes to improve accuracy, reliability, and calibration records.
- Recommends, source, and ensure proper installation of new instruments in a manner that will provide accurate, and reliable process control.
- Provides hands on assistance to E&I Technicians with trouble shooting instrumentation problems including system calibrations. Lead and assist, as needed in the training of E&I Technicians.
- Assists in developing capital projects of new equipment and major repairs.
- Provides support for our Alarm Management and SIS.
- Participates in PHA and LOPAs.
- Provides support for ABB DCS and Allen-Bradley PLC.
- Utilizes computer assisted engineering and design software and equipment to perform engineering tasks.
- Demonstrates strengths in getting results, meeting commitments and problem-solving.

#### ECI GROUP

FOR MORE INFORMATION  
CONTACT:

*Kathryn "Kate" Wilhelm, PE*  
Director of Global Recruitment  
985 264 6709

### COMMUNITY INFORMATION:

- ✓ New Orleans anchors the larger metropolitan area with an estimated population of 1,275,762 and is the home to two professional sports teams (Saints - NFL, Pelicans - NBA).
- ✓ New Orleans is world-renowned for its distinct music, Creole cuisine, unique dialect, and its annual celebrations and festivals, most notably Mardi Gras.
- ✓ The historic heart of the city is the French Quarter, known for its French and Spanish Creole architecture and vibrant nightlife along Bourbon Street. The city has been described as the "most unique" in the United States, owing in large part to its cross-cultural and multilingual heritage.
- ✓ Additionally, New Orleans has increasingly been known as "Hollywood South" due to its prominent role in the film industry and in pop culture.



### BACKGROUND PROFILE:

- BS in Electrical Engineering required
- Seven (7) to fifteen (15) years of electrical engineering experience.
- At least 5 years industrial plant experience with a fundamental understanding of PSM (Process Safety Management) systems.
- Chemical industry experience a plus.
- Proactive and able to work independently.
- Ability to collaborate with others in decision making.
- Possesses an understanding of National Electrical Code, with emphasis in hazardous (electrically classified) locations, and Electrical Safety in the Workplace.
- Proven success in leading projects and teams.
- Strong communications skills, both written & verbal.
- Knowledge of SAP, Microsoft Word, PowerPoint and Excel required.

### COMPENSATION:

- ✓ Competitive Based on Experience