

Heisman Staffing Resources

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Instrumentation and Reliability Engineer

Description

A leading global chemical company is looking for an experienced I/E Reliability Engineer for its petrochemical production facility Commutable from the southeast Houston area. The I/E Maintenance Engineer plays a crucial role in maintaining and improving the safety and reliability of electrical distribution equipment and instrumentation throughout the site.

Responsibilities

- Assist the site I&E maintenance team as an engineering resource.
- Lead and /or serve on root cause failure analysis and incident investigation teams.
- Develop detailed work scopes for engineered projects.
- Develop maintenance work procedures and preventive maintenance procedures.
- Demonstrate knowledge of NEC, NESC, NFPA 70B, and NFPA 70E.
- Working knowledge of power system analysis and protective relays.
- Investigate instrument failures and issue recommendations to eliminate further occurrences.
- Participate in Process Safety Management process.
- Provide engineering support for SIS implementation projects, TARs, and capital projects.
- Provide troubleshooting assistance for unusual or persistent I&E problems.
- Apply site I&E engineering technical procedures and national standards.
- Work with operations, engineering, and technicians to identify and prioritize reliability improvement.
- Read instrumentation loop sheets, P&ID drawings, one and three-line drawings.
- Read function block, ladder logic, and responsible for PLC program and narrative changes.
- Size and select instruments and control valves.
- Strong interpersonal and communication skills.
- Communicate daily with operations and maintenance persons in the field.

Qualifications

Education/Experience

- Undergraduate degree in Electrical Engineering or related field is required.
- 3+ Years of experience

Electrical

- Experience with SKM power tool software is a plus.
- Ability to troubleshoot motor controls through 4160 volts.
- Size conduits, cables for motors, MCCs, feeders, etc.
- Work with outside vendors on coordination, load flow, arc flash, and other studies related to the plant electrical system.

Instrumentation

Employment Type

Full-time

Industry

Oil and Gas

Job Location

Houston, TX

Date posted

November 18, 2024

- Experience with Triconex PLCs is a plus.
- Ability to troubleshoot instrumentation loops from field to DCS systems.
- Design and program control and interlock systems.
- Size and select instruments and control valves.

Job Benefits

9/80 Work Schedule

21% Bonus Target