

**Position Responsibilities:**

The **Instrumentation & Controls Engineer** is responsible for the design, analysis, selection and overseeing implementation of process plant instrumentation and controls systems to support Isil engineering operations.

- Create and maintain appropriate, value-added company controls systems/instrumentation engineering standards for analog and digital systems.
- Investigate, troubleshoot and resolve instrumentation and controls engineering issues.
- Coordinate detailed design phases for all aspects of instrumentation and controls engineering work.
- Coordinate systems design activities to ensure installations and operations are compliant with specifications and codes.
- Prepare and review detailed calculations for controls applications.
- Prepare detailed design drawings and specifications for new systems and instruments.
- Prepare documentation for design input, including master diagrams and master schematics.
- Provide oversight of contractor process design and detail design activities. Review work products to ensure appropriate engineering standards are met.
- Prepare technical reports and studies.
- Identify, acquire or develop appropriate design tools and programs related to discipline.

**Required Qualifications:**

- Bachelor of Science degree in Chemical Engineering or Mechanical Engineering
- 7+ years of experience in Instrumentation and Controls Engineering role
- 5+ years of experience working with equipment and instrumentation in a chemical production facility.
- Demonstrated experience in the design of instrumentation and controls for heavy industrial plant.
- Demonstrated experience in equipment and materials selection.
- Experience in controls system design.
- Technical expertise and knowledge of available equipment and proven systems to execute systems design.
- Strong leadership and interpersonal skills.
- Demonstrated problem solving skills.
- Excellent oral and written communication skills. Able to communicate across all levels of the organization.

**Preferred Qualifications:**

- Master's degree in Chemical Engineering or related field.
- PE license.
- Construction and start-up experience.
- Experience in a pilot plant production operation.

If either of these two positions (or similar ones) interest you, and you feel you are a qualified match for them, please alert me by sending me a resume and cover-letter addressing why you feel you are a good fit. Please feel free to send recommendations or referrals, as well.

Best Regards,

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