

U. S. Oil & Refining Co.

Job Description

Title: Senior Controls Engineer

Qualifications:

- Bachelor of Science, Engineering
- 5-10 years instrument and controls engineering experience.
- Independently evaluates, selects and applies standard engineering techniques and procedures.

Basic Function:

- Provide technical support for refinery operating and maintenance activities and engineering projects with strong emphasis in the area of instrumentation, controls and plant information systems.

Major Duties and Responsibilities:

- Provide technical support to all refinery departments (Engineering, Operations, Maintenance, Environmental, HS&E).
- Perform routine programming and tuning for assigned refinery control and information systems – including SIS development and SIL rated instrumentation loop design.
- Identify and develop refinery projects for improved process control.
- Prepare engineering specifications including instrument specifications, equipment specifications, construction specifications and bid packages.
- Perform and/or manage all phases of engineering projects from conceptual studies, process design, cost estimating, detailed engineering, procurement, construction, through startup.
- Perform equipment inspections.
- Troubleshoot poorly performing control loops
- Potential after hours on-call coverage as needed

Specific Job Assignments:

- This individual will provide technical support for the following refinery systems:
 - ABB S+ DCS System
 - DCS Pipeline Leak Detection System
 - PPA Leak Detection System
 - Varec Fuels Manager
 - Combustion Control Systems
 - Truck Rack Loading System
 - Gate City Additive Systems
 - Continuous Emission Systems
 - Flare gas analyzers
 - Flare IQ
- This individual will provide engineering support in the instrument/controls area for refinery improvement projects. This individual may also serve as the project manager for refinery improvement projects that are predominately instrument/controls related.