

Job Description: Instrumentation and Controls Engineer

The instrumentation and controls engineer is accountable for instrument specification, control system design, and fabrication shop activities for modular and packed equipment systems. The instrumentation and controls engineer will take an active role in P&ID review meetings, instrument specification and control system design and review.

Accountabilities:

Review and confirm code basis for each project

Collaborate with other project team members to comply with project requirements and meet project schedules

Review and approve fabricator and external design drawings, documentation and fabrication sequence

Generate instrumentation specifications

PLC control panel specification/design

Skid electrical and instrument installation specification/design

Production of designs for integration of UOP and customer control systems that meet project requirements

Monitor status and ensure delivery of project deliverables within budgeted cost and schedule

Control system Factory Acceptance Tests (FAT)

Detail hardware required for plant control systems including PLC hardware, DeltaV hardware, and Honeywell controls

Develop the scope of work using P&ID's, specifications, and project requirements to specify and complete instrument and control systems

Adhere to plant and electrical design standards

Basic Qualifications:

Bachelor of Science in Electrical Engineering, or equivalent

Minimum 8 years of experience in electrical engineering within the refining/petrochemicals/gas industry

Minimum of 5 years of experience in the specification and design of instrumentation and control systems

Additional Qualifications:

Strong written, verbal and interpersonal communications skills

Ability to work effectively with team members of all disciplines

A broad knowledge in Instrument and Controls Engineering practices and procedures

Experience with PLC or DCS control systems

Experience in basic programming

Ability to work on multiple projects at one time

Experience in or working knowledge of control theory

Ability to travel up to 25% annually.

Fluent in both the English and Russian languages

Experience with SKM Power Tools is a plus

Registration as a Professional Engineer is a plus

Knowledge and experience in international designs and standards is a plus