
Job Title: Senior SCAI Consultant
Locations: Houston Texas

General Description

Candidates must have a detailed understanding of process control and safety instrumentation. The position involves design, verification, and implementation of automation systems in control and safety applications. This includes working with the client to develop the needed specifications and procedures for implementing safety instrumented systems (SIS), alarm management systems, and critical control systems. In-depth knowledge of automation systems, including PLC, DCS, industrial instrumentation and electrical equipment, is necessary.

Successful candidates have an excellent understanding of process control and safety instrumentation. In-depth knowledge of programming and maintenance of DeltaV, Mod5, Triconex, HIMA, Allen-Bradley, Siemens, Yokogawa, and Honeywell systems is advantageous. Experience with hardwired system design and fabrication is a definite plus.

Strong interpersonal skills are required to execute projects involving multiple parties in a timely and efficient manner. Proficient writing skills are needed to clearly communicate issues and to recommend cost-effective alternatives to keep the project on-track. Successful candidates should have experience in writing technical specifications and conducting reliability calculations.

Skills and Experience

- Have minimum of 10 years plant process, maintenance, or project engineering experience
- Experience with process and functional safety management
- Strong knowledge of automation/controls systems including PLC, DCS, industrial instrumentation, and electrical equipment
- Knowledgeable in the application of ANSI ISA84 / IEC 61511, NFPA 85/86/87, API 554, and API 2350.
- Proficiency in Microsoft applications is essential, while knowledge of FaultTree+ and PHAPro is desirable.

Essential Functions

- Serve as a lead technical authority to execute SIS projects, involving project management and technical execution
- Execute projects related to instrumentation and controls, including specification, engineering, SIL Verification, proof test procedures, commissioning planning, factory acceptance testing, cut-over procedures, site acceptance testing, etc.
- Prepare technical specifications to achieve specified functionality and risk reduction
- Perform reliability calculations to support design specification claims
- Execute projects in a manner that meets customer requirements and exceed their expectations
- Responsible for project schedule and budget for projects, including identifying scope changes and negotiating change orders.