

Position Title: Senior Controls Engineer

Reports To: General Manager, ICE, Inc.

Position Overview

Completes the activities associated with Controls Engineering, System Integration, and Quality Control administration of the business including: Engineering, Design, Programming, and Implementation of ISO Standards. Performs complicated engineering work exercising independent judgment and actions. Applies research principles and techniques to the design, development, and testing of electrical systems, equipment, products, or facilities.

Essential Responsibilities

Develops specific applications of controls, instruments, and systems for new commercial and industrial machinery, as well as existing equipment.

Uses computer assisted design/drafting equipment and software to develop design packages.

Proficient in PLC Programming of automated machines for various equipment such as Allen Bradley, Modicon, Siemens, GE Fanuc, etc. Capable of programming robot controls for GE Fanuc, ABB, Mitsubishi, etc.

Reviews industrial controls designs for compliance with applicable national codes, national specifications, engineering principles, company standards, customer contract requirements, and related specifications.

Assures compliance to ISO Standards and ICE procedures for quality and customer satisfaction in design, build, and handling.

Evaluates and approves design changes, specifications, and drawing releases.

Must be willing to work with, provide technical assistance to, and train other engineers within the team, as well as upstart lower level engineers.

Directs and coordinates all operation, maintenance, and repair of industrial controls and systems in respective field installations.

Coordinates activities concerned with new technical developments, troubleshooting, debugging programs, scheduling, and resolving engineering design and test problems.

Responsible for all Corrective Action, Preventive Action, and Continuous Improvement Plans for individual respective jobs, as well as the proper upkeep of the Job Activity Logbook documentation.

Represents the company with customers, communicates with customers regarding controls, processes change requests, troubleshoots problems and resolves issues regarding controls with customers.

Educational and Professional Development

Bachelor's degree in Electrical Engineering is required. Five years of experience in industrial controls design, PLC programming, servo programming, and ISO standards. Must also have experience in managing people and resources, and working within budget. Equivalent combination of education and experience will be considered.

Qualifications

The successful Senior Controls Engineer is self-motivated, has good people handling skills, and is very technically proficient in industrial controls design. This position requires the ability to solve practical problems and deal with a variety of concrete variables; deal with probability and statistical inference; work with fundamentals of plane and solid geometry and trigonometry.

The successful candidate will be skilled in both verbal and written communication skills; able to build effective working relationships with superiors, colleagues, and individuals inside and outside of the company; and able to analyze data and form recommendations or make decisions.

The successful candidate must be able to read and interpret electrical documents, write routine reports and correspondence.

The successful candidate must be able to implement new processes and document those processes, as well as implement the company's ISO Quality Control Process and UL 508A Standards.

The successful candidate must be able to speak effectively with groups of customers, other technical groups of individuals and other employees within the organization.

Work Environment

The individual's primary work location consists of an office environment. Some travel to customer sites may be required for field start-up support, equipment debug, and service calls.