

CONTROLS ENGINEER OVERVIEW

Day-To-Day Tasks

1. Communication and reporting to Project Managers
2. Controls Engineering projects may include:
 - a. Development of design concepts, drawing/design packages, implementation lists, controls strategies, system functional specifications, sequence of operations, HMI/PLC programs and other related technical responsibilities
 - b. Debugging of HMI/PLC programs and other database systems
 - c. On-site auditing, field surveys, system implementation, commissioning, and start-up support
3. Interaction with CSMI engineers
4. Training on current and latest technical applications
5. Research of state-of-the-art controls technologies for use with current and/or new clients

What you need to Succeed

1. Bachelor's degree in engineering, Technical preferred
2. Experience in Controls Engineering
3. Knowledge of electrical principles/systems, control system design and components, flow diagrams, piping and instrumentation diagrams/symbols, electrical/pneumatic drawings, and other related technical documents
4. Proficient in PLC manufacturers such as Allen-Bradley and familiarity with other PLC manufacturers
5. Proficient in HMI applications such as Wonderware and RS View
6. Leadership, interpersonal and communication skills for interacting in a team environment
7. Ability/flexibility to travel

Career Path

1. The next step to advancement is Senior Controls Engineer
 - a. Or non-traditional next step, advancement in a direction of your choice
2. Qualifications shall include the following:
 - a. Proven performance in current position
 - b. Ability to develop conceptual ideas, develop complete system functional requirements and to implement them
 - c. Ability to consult with CSMI engineers and clients on technical issues
 - d. Leadership & performance directing project teams & managing those projects.

Work Environment:

Environmental Conditions:
x Work near moving mechanical parts
x Typical office conditions.

Noise Level:

Quiet
x Moderate
Loud

Physical Activity:

x Sit, stand, walk, talk, and hear
Reaching with hands and arms.
Stoop, kneel, crouch or crawl