

Controls Engineer III

A Controls Engineer III is responsible for the project management and complete design of the electrical, control system, and programming of new and retrofitted medium to large sized industrial automation machines for our customers. Generating schematics, developing program algorithms, programming PLCs, robots and servos, developing IO plans, and debugging machines are the normal tasks that are done on a daily basis. The person who fills this position will also acts a mentor for more junior controls engineers, a project manager for controls projects, and a salesman for generating additional control systems sales.

ESSENTIAL DUTIES AND RESPONSIBILITIES

- Design electrical and control systems for new, or modify existing, automated machinery to automate manufacturing processes
- Specify and program PLCs, HMI, Vision Systems, Robots, Motion Controllers, VFDs, and Servos
- Design Industrial machine control panels and generate schematics
- Develop machine and manning timing plans for new production equipment /processes
- Coordinate with other engineers and manufacturing and assembly to ensure design intent and cost effectiveness of production are achieved
- Establish technical manuals, drawings, models, training documentation, preventative maintenance plans and troubleshooting guides for newly established automated equipment/processes
- Manage individual project budgets and schedules and routinely report progress
- Travel to customer sites for design reviews, research, installation, and troubleshooting
- Ability to accept customer design feedback and improvement suggestions and to brainstorm solutions with others
- Adhere to good manufacturing and good documentation practices
- Lead, advise, and train more junior engineers
- Ability to self-direct on projects and tasks and the ability to manage a team
- Ability to talk to current clients and find new ones to generate sales
- Review, understand, and explain customer specs and prints
- Create quotations and sales proposals for new jobs
- Perform cost analysis to justify automation projects

MINIMUM REQUIREMENTS

BS in ME, EE, Automation, or Related Field or equivalent experience
Minimum of 7 years of experience in the design of automated equipment
Expert knowledge of PLC programming
Expert knowledge of HMI programming
Familiar with NEC, IEC, and applicable safety standards
Familiar with 6-Axis robot programming
Familiar with machine vision principles
Ability to coordinate with outside suppliers
Excellent oral and written communication skills
U.S. Citizen

ADDITIONAL SKILLS DESIRED

Knowledge of Solidworks
Experience with Allen-Bradley and Mitsubishi PLC programming
Experience with C-More and Mitsubishi HMI programming
Familiar with SCADA, Databases, and Networking
Familiar with text based computer programming
Knowledge of lean manufacturing and ergonomic principles

AIT offers major medical insurance, 3 weeks vacation, 10 paid holidays, 401K plan, sign on bonus and more.

Compensation is commensurate with experience.

ABOUT US

For over 22 years Automated Industrial Technologies, AIT, has been designing and developing specialized manufacturing tools, industrial control systems, and automated production equipment for customers all over the world. AIT's goal is to provide a high quality automation product while solving our customer's challenges using simple and unique mechanical and control system approaches. To achieve this we have two locations just outside of beautiful Lynchburg Virginia. With over 13,000 square feet of office and manufacturing space our staff of mechanical engineers, electrical engineers, programmers, machinists, welders, technicians and support personnel works every day to exceed our customer's expectations.

Submit resume and cover letter to: info@autoindtech.com