

Controls Engineer

CAPITAL INDUSTRIES – a dynamic and growing custom engineering and manufacturing services company is seeking a senior level candidate with strong controls engineering skills for its facility in Shelbyville, Indiana. Prime candidate will enjoy the challenge of designing, operating and refining customized PLC based control systems to operate material handling and manufacturing process systems. Capital Industries focuses on the design and build of custom industrial equipment for manufacturers in most any market including, but not limited to, pharmaceutical, automotive, aerospace, and consumer products.

Responsibilities:

- Create discrete component to PLC based, HMI control designs to operate simple to complex mechanical systems including robotics
- Write PLC software programs using Ladder Logic
- Utilize AutoCad to develop control panel layouts, control schematics, ladder logic diagrams and P&ID prints
- Create project Bill of Material listing all designed-in components
- Specify testing and QC requirements for control validation prior to shipment or start-up at customer site
- Wire machines as necessary
- Train equipment operators and maintenance staff on system operation and service
- Travel 25% of the time to customer locations to obtain design criteria, commissioning, operating, and troubleshooting of fully integrated control systems

Requirements:

- BS or AAS degree in EE, EET with 10+ years related work experience
- Extensive experience with Allen Bradley or Siemens PLCs along with CTC, Panelview, or Siemens HMIs
- Skilled and competent with Fanuc and Motoman robotic controllers
- Vast knowledge of Keyence and Cognex vision systems
- Thorough understanding of mechanical systems where control system operates solenoid valves, pneumatics, hydraulics, robotics, and motor controllers running fractional to 200+HP motors
- Computer skills such as Word, Excel, Outlook, AutoCad

Physical Requirements:

- Frequently lift or move objects up to 10 pounds; occasionally lift or move objects up to 25 pounds
- Occasionally carry tool bag to work station
- Regularly sit for long periods of time; frequently required to walk, use hands and arms, talk and hear; routinely required to stand
- Specific vision abilities required for this job include close vision, distance vision, color vision and the ability to adjust focus
- Occasionally required to bend, stoop, reach, twist

Benefits:

- Paid Vacation
- Paid Holidays
- Paid Personal Time
- Health Insurance Plan
- Prescription Coverage
- Company Paid Life Insurance
- Voluntary Vision/Dental plans
- Voluntary Short/Long Term Disability Insurance
- Voluntary Life Insurance
- Wellness program
- 401(k) plan
- Bonus program
- Tuition Reimbursement
- Professional environment