



The Leader in Compressed Air Automation Since 1992

## Controls Engineer – PLC, HMI

**Job Type:** Full Time

**Location:** Nottingham, MD

**Travel Required:** Yes; ~50 – 60%

**Compensation:** \$80,000.00 – \$100,000.00

The compensation range provided complies with state specific laws. Factors that may be used to determine your actual rate of pay include your specific skills, years of experience and other factors.

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### Description

CAM Technologies solves the most difficult engineering challenges found in compressed air systems through comprehensive analysis, design, controls, and automation. Our team forges lasting customer relationships to deliver innovative data-driven solutions, maximizing compressed air system efficiency and reliability while minimizing operating costs. Our vision is to create a more sustainable world as the industry leading partner in compressed air management that people want to work with and work for.

CAM Technologies is looking for a **Controls Engineer** with at least 2 years of experience and a desire to solve hands-on mechanical challenges. This role is a key member of our engineering team and supports the business through the development, design, installation and support of our CAMLink™ suite of products through PLC-based automation.

This role is equal parts field work (traveling to sites, commissioning systems, interacting with customers), and office work (controls design, PLC & HMI programming). Our customers cover the full spectrum of industrial settings, and we work where the factories are so travel is a requirement. A hybrid work environment is encouraged when not traveling.

### Responsibilities

- Participates in the installation, troubleshooting, and commissioning of CAMLink™ Automation Systems at customer facilities
- Provides CAMLink™ product support both on-site at customer sites and remotely
- Develops and designs control system architecture including component selection and overall control panel design
- Utilizes AutoCAD for the development of drawing schematics, diagrams and engineering documents
- Understands and applies, in practice, manufacturer data sheets, electrical schematics, and mechanical drawings
- Assists with vendor outreach and product research related to specific material and instrument applications
- Designs, configures, and implements PLCs and HMIs via programming in Allen Bradley Ladder Logic. Note, some projects might include programming with VBA, .NET, SQL, and Java
- Engineers and implements a variety of wired, wireless, and fiber optic networking systems using industrial protocols (Ethernet/IP, Modbus, BACNet, Profibus, etc.)
- Creates and maintains engineering documents, specifications, and manuals

## Preferred Qualifications

- Experience with Allen Bradley and/or Rockwell Automation products
- Flexible, practical, and objective approach to solving problems with strong, independent critical thinking skills
- Ability to determine the best technical approach based on project, customer, and budget requirements
- Ability to interpret and provide input on electrical drawings, P&ID diagrams, process flowcharts, etc.
- Familiarity with thermodynamic principles of air
- Familiarity with DC control circuits
- Experience with use of PID loops for process control
- Programming experience (even recreational) is a plus
- Knowledge of VPNs and virtualization technology is a plus
- Organized, conscientious, and adaptable in work execution
- Perceptive and understanding in working with customers
- Excellent verbal and written communication skills
- Self-motivated, capable of working in a team environment or individually

## Requirements

- One of the following:
  - Bachelor's degree in mechanical, electrical, computer science, or computer engineering
  - 2+ years of experience directly related to industrial automation and controls (e.g. PLCs)
  - 2+ years of experience directly related to working with and troubleshooting complex electrical circuits (e.g. avionics technician or similar)
  - 2+ years of experience in manufacturing or industry in an engineering-type role
  - 2+ years of experience designing or assessing industrial compressed air systems
- Ability and desire(!) to travel up to 60%
- US Citizenship
- Valid driver's license
- Must pass drug screening and background check
- Must have the ability to lift 50 pounds and climb ladders

## Benefits & Perks

- Medical, dental and vision insurance coverage
- Life and Disability insurance coverage
- Company 401k match
- Paid Vacation Time
- Paid Parental Leave
- Annual Company Profit Sharing
- Professional training and advancement opportunities
- Enjoying what you do and the people you do it with

Join us at CAM Technologies and be part of a team driving innovation and excellence in industrial automation. [Apply today.](#)

CAM Technologies, Inc. is an Equal Opportunity Employer and is committed to diversity in our workplace. It is our policy to provide equal employment opportunities to all qualified applicants without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, age, protected veteran or disabled status, or genetic information.