

PET Terra Systems is looking for an ***immediate*** Controls Engineer Position/s open in 4 of our offices (*Atlanta, GA; Dallas, TX; Bangor, ME; and St. Louis, MO*). Please share this! Check us out at <http://www.petsystems.com/> and email resume or inquiry to [careers@petsystems.com](mailto:careers@petsystems.com) with the subject "Controls Engineer Position."

### **Controls Engineer Position**

#### Education:

- BS EE, ME, IE or Engineering Technology (other degrees considered with pertinent experience)
- Certification as an EIT or PE is a plus.

#### Experience:

- Preferred candidates must have a minimum of 3+ years of industrial controls experience (will consider recent and relevant internships).
- Senior Controls Engineering position (10+ years' experience) is available as well.
- Highly motivated entry level applicants with industrial internship may be considered.

#### Qualifications:

- Must be eligible to work in the United States
- Demonstrate strong skills in AutoCAD (2D and 3D) and Microsoft Excel and Word
- Demonstrate ability to develop PLC and HMI applications
- Demonstrate strong knowledge in Industrial Ethernet Communications. Other protocols a plus (i.e. DeviceNet, ControlNet, Modbus, BACnet, Profibus, etc.)
- Hands-on experience with electrical systems
- Flexibility for domestic travel (approximately 40%-50%)
- Exceptional communication skills and ability to interact with clients and peers

## Responsibilities:

A Controls Engineer will exhibit in-depth knowledge of Allen-Bradley Industrial Control Systems and demonstrate the ability to work independently as well as within a project team role to meet and/or exceed expectations related to his roles and responsibilities.

Controls Engineer duties may include, but not limited to:

- Develop and commission PLC and HMI Applications to meet specifications
- Specify, Program, and Commission Variable Frequency Drives
- Specify, Program, and Commission basic industrial controls instrumentation
- Detailed Layout, Schematic, and BOM development of Industrial Control Panels
- Develop “Request for Proposal” documents for procurement of Industrial Control Panels
- Develop Sequence of Operation and Maintenance Manuals for Control Systems
- Solid understanding of UL508A, NFPA 79, NEMA, and ISO/ANSI/OSHA safety is a plus
- Experience in SCADA development is a plus (iFix, Wonderware, FactoryTalk, etc.)

An ideal applicant will be equally comfortable crossing between systems design in the office and hands on troubleshooting/systems start up in the field, working directly with contractors and customers to assure quality of installation and successful start up and operation. Experience in one or more of the following areas will round out the ideal candidate: Electrical Power Systems Design, Power Quality Analysis, SKM/E-tap/EasyPower Software, Arc-flash Hazard and Short-circuit Analysis and Selective Coordination Studies. Strong understanding of National Electrical Code is a big plus.

## Compensation:

- Very competitive compensation and benefits package
- Relocation package available for a stand-out candidate