



Powertrain Technology Group
6021 Triangle Drive
Raleigh, NC 27617

hr.manager@symbrium.com

Sr. Controls and Instrumentation Engineer

Symbrium has immediate openings for *experienced* qualified controls and instrumentation engineering to develop and program control schemas, data acquisition systems, and Human Machine Interfaces for custom engineered powertrain testing systems. This position is for our Triangle Facility in Raleigh, NC.

Symbrium works with some of the largest corporations in the world that produce aircraft jet engines, wind turbines, locomotives, automotive powertrains and other highly engineered precision systems.

Desired Experience:

- PLC
- HMI
- Remote IO
- VFDs
- Motion
- Sensors
- Instrumentation
- Data Acquisition
- Signal Processing

Responsibilities:

- Develop safe, efficient and reliable control schemas based around PLC and Computer architectures
- Specify and integrate motors, drives, actuators and other automation devices
- Select and integrate specialized sensors used to measure complex processes
- Create and modify PLC and HMI code to support both new and existing machine platforms
- Design control panel layouts using SolidWorks Electrical based on approved concepts and functional specifications
- Work with the engineering and design team to generate complete packages of detail drawings, bills of materials and build instructions that are sufficient for the procurement and fabrication of machine control systems
- Assist engineering and build teams in the assembly, integration and validation of machines on the floor and in the field
- Ensure compliance to design and quality standards

Mandatory Qualifications:

- US Citizen
- 4 Year degree in engineering or related field

Symbrium, Inc. is an equal opportunity employer. Please submit resume to hr.manager@symbrium.com