Title:	Senior Controls Systems Engineer
Department:	Operations Engineering
Reports to:	Director, Operations Engineering
Location:	Santa Clara, CA or Ashburn, VA
Job Status:	Full-Time

About Vantage Data Centers

At Vantage, we run some of the most customizable and scalable data centers in the world, with a meticulous focus on efficiency, operational excellence, reliability, testing, and maintenance. With campuses in Santa Clara CA, Quincy WA and Ashburn VA, we support the most demanding of large enterprises, technology companies and service providers. Vantage Data Centers was founded on the principle that modern-day data center design should evolve in innovative ways that lead to dramatic gains in energy efficiency. Years later, we're still leading that charge. It's through our focus on efficiency, collaboration, and operational expertise that our customers and company continue to excel.

Operations Engineering Department

The Operations Engineering Department is responsible for the design, construction and support of cutting edge data center automation and control infrastructure. The department collaborates with Operations, Sales, Engineering and Management to ensure the system continues to fulfill Vantage customer requirements. Operations Engineering works closely with partner contractors to come up with the best design and helps manage these partners to success by providing accurate requirements, goals, and timelines. In addition to design and construction, we are also responsible for the technical requirements of the Operations department involving troubleshooting, calibrating and repairing mission critical control systems throughout all Vantage locations.

Position Overview

Vantage is looking for an ambitious, detail-oriented, hands-on Senior Controls Systems Engineer to lead software development for construction of Vantage facilities. You will review sequence of operation documents, and instrumentation diagrams to write logic control software and visualization applications for new builds on a variety of system platforms. You will also be called on to troubleshoot existing automation systems in a live, mission-critical environment.

Essential Job Functions

- Develop and deploy new PLC/HMI applications for new control system projects, with minimal supervision
- Complete PLC/HMI application modifications in an online, critical environment.
- Troubleshoot and resolve HMI, PLC, network and other critical control system issues during an incident.
- Support data center commissioning activities, including validation of hardware and software systems, alarming, data recovery, and functional logic

Duties

- Collaborate with members of the Design, Engineering, and Construction team during projects, as well as members of the Operations Engineering team, and Site Operations team for sustaining existing automation architecture
- Work with leading edge automation systems from large scale industrial controls vendors
- Coordinate integration support schedules, allowing for sufficient time to program, test, and commission mission critical control systems

- Create automation applications in structured text, function block diagram, and ladder logic format
- Examine project documents, including Sequences of Operation, Bill of Materials, Process and Instrumentation Diagrams, and project schedules when developing automation logic and visualization applications
- Challenge the status quo, and think outside of the box to build ultra-reliable, ultra-efficient data center automation systems

Job Requirements

- Bachelor of Science degree in Computer Science, Mechatronics or equivalent work experience required
- 5 years of experience in Industrial Automation required, 7 to 9 years preferred
- Data Center experience is strongly preferred, but not required
- Skilled at developing automation control logic from scratch, and performing full scale integration and testing
- Knowledge of automation systems in a mission critical environment
- Proficient with industrial PLC systems manufactured by leading edge, large-scale vendors
- Strong experience with IT administration at the software layer, including Windows Server platforms, SQL database administration, and network architecture
- Travel required is expected to be 15 to 25%, but may increase over time as the business evolves

Candidates should submit resumes to: jobs@vantagedatacenters.com. Include the position name in the subject line.

Vantage Data Centers is an Equal Opportunity Employer