

Title: Control Systems Engineer
Division: Operations Engineering
Reports to: Director, Operations Engineering
Location: Santa Clara, CA
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 Silicon Valley, California, and Quincy, Washington, 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 and support of cutting edge data centers and ensuring that Vantage's state-of-the-art data centers are functional 24 hours a day, 365 days a year. The department collaborates with Operations, Sales, Engineering and Management to ensure the design fulfills the 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. We are also responsible for the technical requirements of the Operations department involving troubleshooting, calibrating and repairing critical control systems throughout both Vantage campuses.

Essential Job Functions

- Complete PLC/HMI program modifications in an online, critical environment
- Develop new PLC/HMI programs for new control system projects, with minimal supervision
- Make decisions on a day-to-day basis regarding the approach of added components to live data center space
- Ensure that proper processes are followed during the design and review of new controls solutions
- Navigate through PLC logic such as: Ladder logic, Function Block Diagram, and Structured Text while online
- Troubleshoot and resolve HMI, PLC, Network and critical control system issues during an incident
- Create SOOs, I/O lists, architecture diagrams for new and retrofit controls solutions for bidding
- Interact with the Operations team daily to resolve and troubleshoot any open BMS/Controls issues
- Additional duties will be assigned from time to time by the Director, Operations Engineering



Job Requirements

- 3 - 5 years of experience designing, implementing, and commissioning industrial control projects
- Troubleshooting aptitude in mission critical instrumentation and controls equipment, including environmental sensors, electrical control and metering systems, and redundant BMS hardware and software is required
- PLC programming experience with Rockwell Automation, Siemens and GE systems is required
- Modbus TCP/IP and RTU, BacNET and Ethernet/IP configuration knowledge is required
- Ability to read and interpret Electrical/Mechanical one-line diagrams
- Experience with Ignition HMI software is required
- Travel required is expected to be less than 5% 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