

Controls/Instrumentation Technician (1st Shift – Union)

Contact: Tom Paukner

Job Requisition ID

REQ13238

Job Summary

The Controls/Instrumentation Technician will perform duties with the start-up, troubleshooting, modification, inspection, repair, maintenance, and service of building automation and control systems. The end result of each assignment will be to ensure proper operation of heating, ventilating, air conditioning, refrigeration, process equipment and all other building systems that are connected into the automation system network.

Essential Duties and Responsibilities:

- Assist with the servicing of equipment by testing, troubleshooting, using volt meters to determine specific problems.
- Removes defective instruments from system, decontaminates, disassembles, and cleans instruments, and replaces defective parts, using handtools.
- Inspects, tests, adjusts, and repairs electric, electronic, mechanical, and pneumatic instruments and systems used to indicate, record, and control generating operations in research centers, laboratories and office spaces. Inspects meters, indicators, and gauges to detect abnormal fluctuations.
- Lubricates instruments and replaces defective wiring and tubing.
- Perform routine or non-routine maintenance as required
- Complete assigned responsibilities through the work order maintenance program
- Installation and/or oversight of control systems installation.
- Perform maintenance and troubleshoot existing control systems, networks, and instrumentation.
- Maintain documentation for instrumentation and control systems.
- Perform point-to-point verification tests, field operational tests of the control systems, and make any necessary control system corrections to ensure that the systems functions as described in the Sequence of Operations.
- Verify that all control-point wiring has been correctly installed and terminated, sensors have been calibrated, and field devices operate correctly.
- Monitor and adjust control loops to ensure stable operation of the system.
- Responsible for reviewing the graphic screens for accuracy and functionality as needed.
- Manage controls, calibration, and repairs of all instruments for each assigned project from beginning to end.
- Use computerized maintenance management systems to plan maintenance, generate work orders, order parts and manage spare parts inventory.

- Prepares schematic drawings, sketches, and reports to reflect changes or alterations made in instruments, circuits, and systems.
- Must observe and comply with all codes and perform work in accordance with recognized industry standards; company policies, procedures, and standards; and local, state, and federal laws/requirements.
- All other duties assigned.

Qualifications/Requirements:

- Candidates must have a strong background in Siemens Apogee, Siemens Desigo, and Johnson Controls Metasys controls systems (Certifications are preferred but not required).
- Candidates must be able to apply this working knowledge in these controls systems to the operation and troubleshooting of the various HVAC mechanical systems found on the client site. This variety includes, but it not limited to: Air Handlers, Heat Exchangers, Reverse Osmosis (RO) Water Systems, and Chillers.
- Previous proficient experience with CMMS software system(s) including Maximo.
- Work Hours: This is a first shift Union position. Hours are Monday through Friday, 6:00 AM to 2:30 PM. Requires overtime to work evenings, weekends or holidays, as required to meet project timelines, and be on-call (on a rotational basis with other technicians)
- Requires good oral and written communication skills.
- Experience in automation hardware troubleshooting (Replacing system I/O modules &/or cards, power supplies, control relays, signal conditioners, etc.)
- Understanding of P&ID loop tuning fundamentals.
- Strong troubleshooting and communication skills.

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