

JOB DESCRIPTION

Job Title: SCADA Electrician
Reports To: SCADA Supervisor
FLSA Status: Non-Exempt
Department: SCADA
Date: November 9, 2022

Salary to be determined, based on experience

Summary:

Perform or assist in the design, development, and construction of new Supervisory Control and Data Acquisition (SCADA) systems equipment. Perform or assist in the maintenance, replacement, and repair of existing control systems and associated hardware and equipment including PLC control systems, communications, and pump and motor electrical systems associated with sources, treatment, and distribution of water.

Essential Duties and Responsibilities include the following. Other duties may be assigned.

- Perform installation, maintenance, and repair of electrical systems.
- Perform inspections and conduct assessments of electrical systems including ability to read and interpret electrical schematics.
- Perform complex level work to install, program, repair, and maintain remote SCADA control systems, pumps, motors, and other equipment for use in water and wastewater operations.
- Design, construct, and install new SCADA systems and hardware, both electrical and mechanical, for water and wastewater plant operations, facilities control, and data logging.
- Maintain, repair, and replace existing SCADA systems and associated hardware such as electronic, pneumatic, mechanical, and electrical instrumentation and pumps, motors, valves, and other hardware employed in the operation of water treatment, water distribution, and wastewater plants and related systems.
- Troubleshoot and maintain all PLC control systems and SCADA communications systems.
- Startup, configuration, and testing of new and existing SCADA installations and on-going electrical projects.
- Provide assistance to production and distribution operations related to SCADA equipment.
- Respond to inquiries concerning systems operation and diagnose system hardware, software, and operator problems.
- Coordinate activities with Customer Service, network services, or other company functions as required by situation.
- Provide updates, status, and completion information to supervisor and/or operators, via voice mail, e-mail, or in-person communication.
- Follow safety requirements, OSHA Guidelines, and local electrical codes.
- Perform all necessary reporting.
- Respond to call-out and on-call duties as necessary.
- Perform other tasks as designated by supervisory personnel.

Qualifications:

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or

ability required. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Education/Experience:

Associate's degree or equivalent from a two-year college or technical school; or four (4) years related experience and/or training; or equivalent combination of education and experience.

Language Ability:

Ability to read, analyze, and interpret common technical journals, written procedures, and instruction manuals. Ability to write routine reports and correspondence. Ability to effectively present information in one-on-one and small group situations to customers, clients, and company employees.

Math Ability:

Ability to add, subtract, multiply, and divide in all units of measure, using whole numbers, common fractions, and decimals. Ability to compute rate, ratio, and percent and to draw and interpret bar graphs. Ability to work with mathematical concepts such as probability and statistical inference, logarithms, and geometry. Ability to calculate geometrical factors such as proportions, area, circumference, and volume.

Reasoning Ability:

Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

Computer Skills:

Work Order Processing, Word Processing, Excel, E-Mail, Internet Software.

Other Knowledge, Skills, & Abilities:

Thorough familiarity with wide variety of electrician tools and techniques. Ability to read and interpret electrical plans and schematics. Ability to gain thorough familiarity with electronic control instrumentation systems, real-time computer applications, and integrated control systems.

Certificates and Licenses:

Valid State of Texas Driver's License. Texas Journeyman Electrician License. Texas Class C Water Operator Certificate (Groundwater) is preferred but not required.

Supervisory Responsibilities:

This position has no supervisory responsibilities.

Work Environment:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is occasionally exposed to work near moving mechanical parts and risk of electrical shock. The noise level in the work environment is usually moderate.

Physical Demands:

The described physical demands are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee regularly uses hands to finger, handle, or feel; reach with hands and arms; and talk or hear. The employee is frequently required to walk, stand, sit and stoop, kneel, crouch, or crawl. The employee is occasionally required to climb or balance and taste or smell. The employee may regularly lift and/or move up to 75 pounds.

Specific vision abilities required by this job include close vision, distance vision, depth perception, and ability to adjust focus.

Please send application and resume to the following:

Human Resources Manager

Aqua Water Supply Corporation

P. O. Drawer P

Bastrop, Texas 78602 or send to careers@aquawsc.com