



## Job Posting

# Process Controls Engineer

\*\*\* LOCAL CANDIDATES - PRINCIPALS ONLY \*\*\*

Gulf Coast Authority is located in southeast Houston, Texas. Established by the Texas Legislature in 1969, we recently celebrated our 49<sup>th</sup> year of protecting the waters of the State of Texas and continue a significant role in improving the water quality of Galveston Bay, Houston Ship Channel and the state of Texas.

GCA growth has created a need for additional talent in its Engineering department. In this capacity, our Process Control Engineers will provide operations, maintenance, and project team support. They will interact with various functional groups to implement new process control technology and equipment, evaluate and resolve problems with existing process control systems (using maintenance and/or third-party consultant support as needed), ensure the control systems are properly deployed to best meet operations and maintenance requirements, and aid in managing the power distribution system. Reports to the Director Technical Services.

**Position: PROCESS CONTROLS ENGINEER at the Central Office, day shift. May work remotely and extended hours.**

**Pay range: For qualified candidates is \$81,968-\$105,545-\$129,122 salary range**

### 1.0 Typical Duties and Responsibilities

- 1.1 Determine, select and specify instrumentation and controls required to monitor, operate, and control mechanical, process, and electrical systems.
- 1.2 Provide input to develop P&IDs
- 1.3 Document control narratives (sequence of operations) and work with outside consultant for logic and HMI screen development.
- 1.4 During project design assist with coordinating the development of control logic, HMI applications and system configuration between operations and control system suppliers. Participate in factory checkout of equipment prior to delivery and witness loop checks in the field prior to final acceptance.
- 1.5 Prepare documentation and train operations and maintenance staff on control system operation.
- 1.6 Work closely with maintenance and operations to troubleshoot and resolve issues in the control system, instrumentation, PLC logic, or HMI display.
- 1.7 Manage and direct consultants during controls related projects or jobs.
- 1.8 Maintain data historian server with help of outside consultants as needed
- 1.9 Work with outside consultants and others as designed to develop scope and design of electrical power projects.

### 2.0 Knowledge, skills, and abilities

- 2.1 Practical knowledge of instrumentation and controls to be able to oversee work of a third- party consultant design and programming.
- 2.2 Ability to understand and troubleshoot ladder logic, loop diagrams, and control wiring diagrams.
- 2.3 Knowledge of field instrumentation including analyzers, flow meters, and control valves.
- 2.4 Strong communication skills and the ability to work with different groups including maintenance, operations, project engineering, and consultants.
- 2.5 Ability to assist electricians to troubleshoot electrical circuits in the field.

### 3.0 Environmental Conditions

- 3.1 Work is performed indoors and outdoors with some exposure to extreme heat (100F) and cold (32F)
- 3.2 Work may involve exposure to potential noise, mechanical, electrical, explosive, fume/odor, dust/mite, chemical, toxic waste hazards with proper precautionary procedures.

3.3 Safety requirements include ability to wear all PPE including full face respirator and supplied air.

#### **4.0 Education, certifications, and experience required**

4.1 Bachelor of Science in Electrical Engineering.

4.2 At least 5 years of experience in related engineering experience including work in field.

4.3 Valid Class C Texas Driver's License.

#### **5.0 Physical Requirements**

5.1 Ability to sit while performing various job functions such as writing, operating computer, and other office activities.

5.2 Ability to walk, stand, kneel, crouch/stoop, squat, twist upper body, and climb while performing project inspection and other job functions.

5.3 Ability to travel overnight to remote facilities, project sites or training locations.

**GCA offers competitive salary and excellent benefit package to the right individual, but does not provide reimbursement for relocation expenses. Check our website at [www.gcatx.org](http://www.gcatx.org) for additional information.**

**Again, principals only, please, and no phone calls. To be considered, apply on our website at [www.gcatx.org](http://www.gcatx.org) or email resume with salary requirements to the attention of Human Resources Director, with PRCTENG in subject line to address above. All inquiries remain confidential.**

The above statements are intended to describe the general nature and level of work being performed by the person assigned to this job. They are not intended to be an exhaustive list of all responsibilities, duties, skills, and physical demands required of personnel so classified. Holding people assigned to this or any job to expectations described herein does not constitute harassment in any form.