

Instrumentation & Electrical Specialist

Position Available

Lake Charles, LA

PURPOSE

Troubleshoot, analyze and solve instrumentation/electrical equipment and performance. Maintains instrumentation/electrical performance for all plant equipment—including performing repairs, installations, operational inspections, and participating in developing improvements. Serves as the lead tech over other I&E techs and is responsible for assigning daily duties and ensuring quality workmanship.

ESSENTIAL DUTIES AND RESPONSIBILITIES include the following.

Operate all basic electrical and electronics test equipment.

Performs repair-oriented activities on a daily basis, based upon immediate needs and maintenance scheduling. Perform all calibration on control valves, transmitters, analyzers and sensors.

Understand, analysis and repair pneumatics instruments.

Must understand medium and low power distribution, and PLC systems such as read functional block and ladder logic. Working knowledge of HMI's (Human Machine Interfaces), medium and low voltage transformers and motor starters. Understand basic NEC and 70E codes. Read and understand relay logic.

Knowledge of function and setup process of variable frequency driver.

Knowledge of Controllogix PLC, how it works and understand system setup.

Performs instrumentation and electrical repairs as needed.

Troubleshoots, diagnoses and repairs all instrumentation/electrical auxiliary equipment in the calciner and steam plants.

Performs maintenance checks on and associated repairs to all instrumentation and electrical equipment.

Calibrates instrumentation and electrical process to meet the requirements for reliable operation, high quality production, precise process control, and ISO compliance.

Operate mobile equipment as required to perform instrumentation and electrical work.

Reports any problems or safety issues to appropriate personnel.

Participates in the continuous improvement of product and plant processes and performs other duties as required.

Computer literacy is essential to performing the duties of this job.

Receives daily work schedule from the maintenance manager and is responsible for assigning tasks to other I&E techs.

Responsible for ensuring quality workmanship of other techs.

EDUCATION and/or EXPERIENCE

Two years related training from college or vocational school; plus a minimum of five years related experience.

LANGUAGE SKILLS

Ability to read and interpret documents such as safety rules, operating and maintenance instructions, electrical and instrumentation blueprints, schematics, logic diagrams, and procedure manuals. Ability to write routine reports and correspondence. Ability to present information to small groups.

(This Position Description reflects the general level and nature of the Position. It is not intended to be all-inclusive.)

