



Instrument & Electrical (I&E) Technician

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Category: Offshore Technician

Job Title: Instrument & Electrical Technician

Team: Gulf of Mexico Operations

Rotational Offshore: 14 days on/14 days off

Location: Gulf of Mexico – Offshore – Houma, LA

BP's Gulf of Mexico Deepwater Business Unit is one of the most challenging and largest growth areas within BP. Included in its operations are 8 producing assets. The future plans and growth potential in the Gulf of Mexico for additional technician staff is tremendous and is expected to support production levels in excess of 500 thousand barrels a day for many years to come.

The Instrument & Electrical (I&E) Technician is a member of a multidiscipline operations team, reporting to the Maintenance Team Leader/Supervisor. The main purpose of this position is to ensure instrumentation, control systems and automation systems are calibrated and functioning properly. The I&E Tech will work with facility engineers providing input to optimize the systems and ensure appropriate regulatory requirements and records are maintained. This position will require the ability to assess, maintain, repair and monitor control systems and systems associated with compressors, pumps, generation and well control. The I&E Tech should be skilled in maintaining the performance of temperature, pressure, flow and level measurement control equipment, as well as valves, hydraulic control panels and single loop controllers. Our expectation is the successful candidate will complete a minimum of two years in this position before posting to another position.

Accountabilities Include:

- Maintain all facility instrumentation, measurement devices and final control elements.
 - Maintain the following systems: process control, safety shutdown, fire detection and suppression, gas detection, emergency shutdown, inclusive of end devices, wiring and control panels for each of these systems.
 - Calibrate and inspect relevant devices for various systems, as well as perform maintenance of the facility communications systems.
 - Maintain the documentation for many systems, including loop diagrams, panel drawings and all relevant discipline control documents.
 - Maintain servers, Programmable Language Control (PLC's), fire detection system and flow computer applications software and backups, as well as handle the administration of the Distributive Control System and Turbine Computer Controls System.
 - Work with PLC logic controls of a gas turbine.
 - Generate detailed work records and hand over notes to facilitate proper communications between work crews.
 - Ensure all safety and environmental considerations are addressed with electrical maintenance processes.
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- Manage parts and special equipment orders prior to annual or anticipated overhauls of major equipment, within area of expertise.
- Participate in the day-to-day implementation of safety programs and advanced safety audits.
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Required Qualifications:

To be considered for the role of Instrumentation/Controls Technician applicants must have:

- Legal authorization to work in the US on a full-time basis for anyone other than your current employer.
- A minimum of a High School Diploma or equivalent.
- 5 or more years of Instrumentation & Electrical experience or related industry experience
- Working knowledge of Microsoft Office applications (Word, Excel, PowerPoint and Outlook).
- Strong interpersonal and communication skills.
- The ability to coordinate contractor activities during operation and repairs of equipment.
- The ability to work independently with minimal supervision.
- The demonstrated ability in instrumentation troubleshooting techniques.
- The demonstrated ability in calibration techniques for transmitters, remote telemetry devices, displacer type level transmitters/controllers and control valve positioners.
- Knowledge and demonstrated previous use of Industrial Communications Systems (Ethernet, ControlNet, Modbus, Data Highway Plus, DeviceNet) and associated Electrical Interfaces (RS-232C, RS-485, RS-422) or equivalent.
- Software suite (RSLogix, RSLinx, RSNetwork, Panelbuilder, RSTune) or equivalent.
- The willingness and ability to relocate or commute to Houma, Louisiana on a rotational 14 days on/off schedule in order to fulfill the responsibilities of this position.
- The willingness and ability to ride in a helicopter or boat over Gulf of Mexico waters for extended periods and be transferred to/from a boat via personnel basket swung by a crane with or without reasonable accommodations.
- The willingness and ability to travel up to 50% of the time in order to fulfill the responsibilities of this position.
- The willingness and ability to successfully complete a fitness for duty assessment.
- The willingness and ability to serve as a member of an emergency response team.
- The willingness and ability to work 12-hour shifts offshore on a fixed or floating oil and gas production platform in the Gulf of Mexico.

Preferred Qualifications:

In addition to the required qualifications the successful candidate is likely to be able to demonstrate:

- Basic to advanced knowledge of electronic maintenance monitoring planning systems.
 - Strong team working skills, along with experience working with engineers and multidisciplinary teams.
 - Knowledge and demonstrated previous use of Allen Bradley PLC's and Input/Output or equivalent.
 - Knowledge and demonstrated previous use of the Rockwell (Allen Bradley) Applications Knowledge of Electronic Custody Transfer Measurement Systems.
 - The ability to effectively manage priorities while working with various types of people and groups.
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A fitness for duty assessment will be required.

Languages Needed:

English - Fluent

If you are selected for the position, your employment will be contingent upon submission to and successful completion of a post-offer/pre-placement drug and alcohol screening, an agility testing, as well as pre-placement verification of the information and qualifications provided during the selection process.

EOE/M/F/D/V
