

**Contact**

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**Or**

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Rig Electrician

**Job Description:**

 Rig Electrician shall:

* + Provide on-site supervision of Rig Electricians & Trainees to the degree required for the experience level and job skill of the person or persons assigned normally 2 to 4 persons.
	+ Read and fully comprehend manuals, schematics, blueprints, as built drawings of the rig and all related equipment. Using these skills whenever possible for on-the job training of Rig Electricians and Trainees.
	+ Monitor the work performance of Rig Electricians & Trainees to insure the work is done properly and all safety regulations are adhered too.
	+ Liaison with Rig Foreman, Tool Pusher, Barge Captain, Rig Mechanic, Drill Crew, and others as required for the proper scheduling of repairs and maintenance work.
	+ Perform troubleshooting and repairs that could be deemed outside the experience level of on-site Rig Electricians & Trainees. Making use of the troubleshooting and repair instances as opportunities to perform on-the-job training whenever possible.
	+ Complete on-site work permits, perform pre-job checks and assign maintenance and repair jobs to Rig Electricians as per their individual experience level.
	+ Perform post-job checks and testing of equipment after repairs.
	+ Perform daily, weekly, monthly, quarterly, semi-annual, and annual inspections and maintenance as set forth in the preventative maintenance program.
	+ Complete daily electrician’s reports, equipment maintenance reports, and preventative maintenance reports, distribute as required.
	+ Order materials and supplies as required for implementing necessary repairs and maintaining an on-site stock level of expendables and critical spares.
	+ Teach SAUDI ARAMCO Drilling and Work over employees in accordance with the PM System.
		- Teach and train electrical maintenance staff
		- Teach how to document current condition of equipment and/or sub-assemblies prior to commencing repairs.
		- Teach how to inspect equipment and troubleshoot electrical, electromechanical and electronic systems.
		- Teach how to isolate the subsystems or components that might have caused the problem.
		- Teach how to perform all tests and repair in strict compliance with the equipment manufacturer's service manual and bulletins.
		- Teach how to inspect parts for wear and replacement to prevent electrical equipment failures.

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| * Teach how to list parts to be replaced referring to manufacturer's manuals and diagrams.
* Teach how to perform post-overhaul/repair checks for malfunctions.
* Teach how to document inspections, test results, repair work done and parts replaced for proper billing and record upkeep.
* Teach how to use personal protective gear and follow shop safety practices as required while working.
* Teach how to maintain cost controls in an effort to reduce costs without compromising maintenance quality

**Qualification:*** + High School Diploma or G.E.D.
	+ Associates Degree from a fully accredited technical college
	+ Manufacturers training courses, a minimum of two of the following:
	+ Ross Hill SCR Systems
	+ IPS SCR System
	+ Baylor SCR Systems and Brake Controllers
	+ PLC (Programmable Logic Controls
	+ Caterpillar Engine controls
	+ Martin/Decker Instrumentation
	+ Air conditioning & Refrigeration training curse
	+ Minimum of 15 years in the electrical field with not less than 10 years experience in the Oil/Gas drilling industry.
	+ Has an extensive knowledge of all electrical test equipment associated with the electrical maintenance of drilling rigs, i.e. VOM, digital millimeters, oscilloscope, muggers, phase rotation detectors etc.
	+ Have a working knowledge of computers with a minimum capability of using Microsoft programs such as word, outlook, and excel.
	+ Familiar with API, ABS, IEEE, & SOLAS standards.
	+ Have good leadership skills with the ability to perform on-the-job training for Rig Electricians and Trainees.
	+ Have the communication skills necessary to submit reports, complete forms and converse with supervisors and management.
	+ Must have a working knowledge of drilling operations i.e. insure knowledgeable recommendations/decisions are made to minimize interruption of rig operations.
	+ Familiar with API, IEEE, & SOLAS Standards.
	+ Have good leadership skills with the ability to perform on-the-job training for Rig Electricians and Trainees.
	+ Have communicating skills necessary to submit reports, complete forms and converse with supervisors and management.
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