

Automated Technician Job Description

Duties and Responsibilities:

- Adhere to safety standards all the time
- Assist in performing analysis on all projects by visiting the location
- Undertake emergency troubleshooting on mechanical, electrical, and hydraulic equipment to determine problems associated with the machines
- Assist in the maintenance of equipment so as to ensure that equipment and processes run very smoothly
- Provide technical assistance and support regarding all projects, installations, and repairs
- Maintain smooth communication with different levels of departments and peers
- Ensure the use of a digital dashboard for thorough analysis and fault reviews
- Conduct investigations; recommend changes and upgrades to equipment
- Upgrade hardware and software for improved process control
- Communicate findings, upgrades, and troubleshooting to colleagues and management through the e-mail, texts, and voice calls
- Prepare periodic reports on the progress made concerning faulty machines, errors, and processes
- Work smoothly with team members and site customers
- Ensure the calibration of all machines and maintenance after calibration
- Provide regular system operation training on automated systems
- Take care of installation, maintenance, and inspection of control systems and workstation installations at the facility
- Coordinate other workers in order to achieve departmental goals
- Provide technical monitoring for other automation technicians and engineers both on-site and off-site

- Assist in the specification, installation, and modifications of the systems.

Automated Technician Requirements – Skills, Knowledge, and Abilities

- Possess multiple skills in the areas of fluid power, manufacturing processes, electricity, electronics, and mechanical systems
- Interpersonal skills to lead and communicate with peers
- Ability to be cool when working under pressure
- Possess a deep understanding of Ethernet communication, Control Logic and Programmable Logic Control (PLC)
- Demonstrate knowledge concerning general safety protocol and procedures regarding field operations
- Possess broad-based knowledge in order to successfully troubleshoot, diagnose, and solve problems that relate to mechanical, electrical, hydraulic, etc.
- Electro-mechanical skills and problem-solving abilities
- Knowledge in the areas of computers and electronics which relates to circuit boards, processors, chips, electronic equipment, computer software and hardware
- Knowledge relating to the practical application in the areas of interpreting science and technology; ability to apply relevant principles, techniques, procedures, and equipment for the design and production of goods and services
- Mechanical knowledge concerning machines and tools. It includes design, uses, repair, and maintenance
- Knowledge of mathematics as it relates to arithmetic, algebra, geometry, calculus, statistics, and their various applications
- Understanding troubleshooting in determining the causes of operating errors and knowing what to do spontaneously
- Critical thinking ability which requires using logic and reasoning in order to identify the strength and weaknesses of alternative solutions or approaches to problems in both technical and non-technical areas
- Ability to properly read, understand, and interpret written sentences and paragraphs relating to work documents

- Ability to put pieces of information together in order to form general rules and conclusions.