

Sagebrush Technology, Inc.

Job Description

Title: Electrical Engineer

O-Net Code: 17-2071.00

Job Summary: Perform engineering duties in research, development, design and testing electrical components on products and prototypes. Oversee fabrication, testing, installation, operation, maintenance and repair of products and prototypes.

Responsible to: Engineering Manager

Primary Duties and Activities:

1. Compile data and write reports regarding existing and potential engineering studies and projects.
2. Confer with engineers, customers and others to discuss existing or potential engineering projects and products.
3. Provide input and support to the development of sales proposals and budgets.
4. Design, implement, maintain and improve electrical instruments, equipment, facilities, components, products and systems for commercial, industrial and domestic purposes with emphasis on motion control electronics.
5. Investigate customer or public complaints, determine nature and extent of problem, and recommend remedial measures.
6. Operate computer-assisted engineering and design software and equipment to perform engineering tasks with a strong emphasis on motion control electronics, software and firmware.
7. Perform detailed calculations to compute and establish manufacturing, construction and installation standards and specifications.
8. Plan and implement research methodology and procedures to apply principles of electrical theory to engineering projects.
9. Prepare specifications for purchase of materials.

Other Duties and Activities:

1. Manage time and other company resources to meet production schedules.
2. Adheres to quality standards and principles.
3. Other duties as assigned.

Job Specifications:

Education, Training & Experience:

1. Minimum bachelor's degree in engineering. Prefer BSEE with emphasis on robotics or servo modeling.
2. Four to six years significant work experience and/or informal training with experienced engineers with at least 2 years experience in custom software development and control theory for precision electro-mechanical systems .
3. Personal computer skills on a PC platform. Proficiency in electrical engineering software. Prefer experience with PADS and MatLab.
4. Must have excellent verbal and written communication skills.

Essential Physical Requirements:

1. Valid driver's license and proof of insurance.
2. Ability to lift 25-50 pounds comfortably.
3. Ability to communicate verbally and in writing with others regarding products and services
4. Ability to utilize all information systems within the corporation (computer, phone, etc.)

Confidential

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