



Ridgetop Group Inc.
6595 North Oracle Road
Tucson, Arizona 85704
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www.ridgetopgroup.com

Electrical Engineer

Ridgetop Group seeks an Electrical Engineer to contribute to the research and development of innovative prognostic solutions for electronic power systems, including switch-mode power supplies (SMPS) and electromechanical actuators (EMA), at its headquarters in Tucson, Arizona. This position requires involvement in all phases of the product development lifecycle, including requirements, design, validation, deployment, documentation, and maintenance.

Responsibilities

- Manage the design, layout, assembly, and debug of circuit boards
- Design automated test procedures to validate and characterize electronic systems and components
- Design and conduct laboratory experiments in support of new prognostic methodologies and solutions
- Support process improvement activities both within the department and company-wide
- Work both independently and in a team environment, with the opportunity to provide technical leadership to other members of the engineering team
- Create and/or modify specification documents detailing system design and enhancements to meet marketing requirements
- Collaborate with others in the creation of technical reports, whitepapers, and user documentation
- Provide on-going client support and maintenance

Requirements

- EE degree with at least 2 years of design and/or test engineering experience
- Use of simulation environments such as MATLAB and PSPICE
- Use of schematic capture/layout tools such as Eagle
- Use of version control tools such as Subversion
- Use of Microsoft Excel for storing and analyzing data
- Familiarity with LabVIEW and National Instruments data acquisition systems
- Knowledge of communications protocols, including RS-232, CAN, and TCP/IP
- Strong circuit design and problem solving skills
- Strong communication skills, both written and verbal
- Strong time management, task prioritization, and interpersonal skills
- Ability to multi-task and work independently as well as part of a team
- Ability to rapidly grasp technical concepts and solutions
- High level of personal drive and self-motivation
- Commitment to continuous improvement
- Embedded systems design and firmware development experience is desirable
- Language-based FPGA programming is a plus, particularly with Xilinx IDE and Verilog
- Some travel may be required for this position

Due to the nature of the projects we work on, US citizenship or legal permanent US residency status is highly desirable.

JOB TERMS

This is a full-time (40-hours per week) position on-site in Tucson, Arizona.

COMPENSATION

Ridgetop offers significant growth opportunities, and a competitive compensation and benefits package, including stock options, medical, dental, disability and life insurance, tuition reimbursement, and an employer-matched retirement plan.

Ridgetop Group, Inc. is an Equal Opportunity Employer.