

Hardware Design Engineer

Duties and Responsibilities

The Hardware Design Engineer will be a team member of the technical staff that helps design and develop electronic solutions for Ridgetop Group's customers and projects. The Hardware Design Engineer will play a key role in helping to scale the circuit design work from past, current, and future internal research and development projects to commercial ready products. Customer challenges include short development schedules, evolving requirements, and dynamic operating environments that often require customized solutions for government, commercial, and industrial applications. The Hardware Design Engineer shall be a self-motivated problem solver that is well versed in circuit design, PCB design, and signal processing techniques for analog, digital, and RF circuitry. This position will help Ridgetop Group continue expanding in the test and measurement industry.

Requirements

- Bachelor's degree in Electrical Engineering or other equivalent field of discipline
- 3 or more years of PCB and hardware design experience
- Experience generating schematics for high-performance and mixed-signal circuit boards
- Experience guiding and support all aspects of PCB layout, fabrication, and assembly processes
- Ability to perform high-level system design
- Experience with integration, verification, and timing analysis of digital logic and circuitry
- Experience with RF and analog circuit design, as well as RF test equipment
- Ability to contribute to independent research and development (IRAD) and rapid prototyping circuit board designs for single use case applications

Preferred Skills

- Master's degree Electrical Engineering or other equivalent field of discipline
- 3-5 years of PCB and hardware design experience
- Experience with Engineering Design Software:
 - National Instruments: Multisim & Ultiboard
 - Eagle PCP Design
- Experience implementing signal processing and communications algorithms for FPGA systems and microprocessors

Position Type/Expected Hours of Work

Exempt. The employee must maintain work hours of Monday through Friday, 8 a.m. to 5 p.m.

Benefits and Compensation

Ridgetop Group, Inc. offers a competitive salary and comprehensive benefits program, including health, dental, vision, life insurance and employer match to retirement fund.

Compensation is DOE.

Job Location

Corporate Headquarters, Tucson, Arizona