



Acoustic Doppler & Imaging Technologies

Electrical Engineer

Rowe Technologies Inc. is currently looking for an electrical engineer to participate in design/development activities for Acoustic Doppler Current Profilers.

Description/Responsibilities:

The Electrical Engineer will be responsible for the following:

- Under supervision and direction, provide electrical engineering analyses that will include the design and testing of analog/digital circuits used for Sonar applications.
- Applies mathematical and engineering principles and methods to electrical system designs.
- Create and maintain electrical schematic diagrams to include the creation of symbols and associated part information.
- Process schematic designs to build net lists and bills-of-materials; troubleshoot and resolve net list errors.
- Design printed circuit boards using Mentor Graphics CAD tools.
- Work with mechanical engineers to define board and system packaging details.
- Build and test electrical circuits using a Bread board or a vector board.
- Support of company's goals and represents the company positively and professionally.
- Support sustaining activities on existing product

Requirements:

- Must have experience with schematic capture and printed circuit board layout
- Experience with common test equipment including scopes, function generators, etc.
- Should have taken relevant course work – For e.g., Digital signal processing, analog and digital circuit design.
- Prior experience working with analog and digital circuits.
- Work experience with Micro controllers, Gate Arrays.

Preferred Skills/Experience:

- Manufacturing, design and testing of high and low power transformers.
- Experience with PADS Logic and PADS PCB
- Knowledge of programming languages – C, C#, Visual Basic, Matlab.

Education:

- Bachelor's Degree in science or engineering, or equivalent experience

Physical Requirements

- The physical requirements for this position may require occasional lifting up to but no more than 30 lbs. without assistance.
- Frequently seated at a workstation utilizing computer and testing equipment, mouse, and keyboard.
- Other physical activities may include but not limited to standing, bending, stooping, walking, sitting and repetitive use of hand tools.
- Must be able to travel and participate in testing the Sonar instrument in open water locations (lake, river, ocean)

**Candidates must reside within San Diego County, relocation is not available for this position.
Citizenship/Visa Requirement US Citizen/Perm Resident/ Other US Person**

Please submit all resumes to careers@rowetechinc.com