



Senior Electrical Engineer - Job Description

Vista Clara is seeking a full-time Bachelor's, Master's, or Ph.D. graduate with 5-10 years of experience in system-level electronics modeling, design, and testing. This is an opportunity for an experienced and motivated engineer to bring electronics design expertise and leadership to a dynamic, high-tech company, performing innovative design and development to advance nuclear magnetic resonance (NMR) technologies for groundwater investigation in variety of earth sciences and industries.

Requirements

- Bachelor's degree in Electrical Engineering or relevant field
- 5-10 years of experience in the design and testing of analog electronics from the board level to the system level
- Experience designing new printed circuit board assemblies using professional PCB layout software
- Experience developing and implementing best practices and industry standards for mechanical and electrical design
- Excellent verbal and written communications skills
- Ability to independently manage complex engineering and product development tasks
- Undertake some domestic and international travel
- Possess US citizenship or legal authorization to work in the US and the ability to pass a criminal background check

Preferred Skill Set

- Master's or Ph.D. in Electrical Engineering
- Experience with design for manufacturability
- Proficiency with Solidworks and/or other electrical/mechanical CAD drawing software
- Experience with LabVIEW, C#, or other languages used for instrument control
- Interest in environmental geoscience and groundwater hydrology
- Able to lift equipment up to 50 pounds

Key Areas of Responsibility

This senior team member will be a part of the dynamic R&D team and lead electrical engineering for developing novel analog electronics under multiple R&D programs. This senior team member will be actively involved in transitioning novel NMR geophysical sensors and instruments from the R&D prototype stage to commercial manufacturing. These systems incorporate low-frequency RF electronics (operating from 1kHz – 1MHz), high-power transmitters, low-noise receivers, and precise digital control/communication electronics. All systems are subjected to rugged field use and must be designed for vibration, shock, temperature, and EMI stress. Numerous growth opportunities exist in R&D program and product management. Background and experience in magnetic resonance, ultrasound, seismic, and active acoustic measurement systems are relevant.



About Vista Clara

Vista Clara Inc. develops and manufactures magnetic resonance tools for groundwater characterization. In addition, our advanced nuclear magnetic resonance (NMR) geophysical instruments are used for environmental, mining, and energy resource investigations.

In business since 1997, Vista Clara is the world's only geophysical instrumentation company with an exclusive focus on NMR technology. Our unique expertise enables the company to rapidly develop and commercialize technologically advanced NMR instruments, and to leverage our portfolio of hardware and software technologies across a growing line of products

Applying

Please submit your resume through LinkedIn or through the company website. Attachment of a cover letter is preferred.

Compensation

Vista Clara provides competitive compensation and benefits including annual company contributions to employee SEP-IRA accounts, paid time off, and health insurance. Salary range for this position is expected to be within \$80,000 and \$120,000 based upon qualifications and experience level.

COVID-19 considerations:

Vista Clara is diligently complying with all COVID-19 health and safety directives as currently issued by the US Federal Government, the State of Washington, the County of Snohomish, and the City of Mukilteo.