



Would you like to be part of a dynamic team working in earth science and environmental applications? Are you an experienced Research Electrical Engineer seeking variety in your project work with opportunity for growth and leadership? We are looking for someone like you!

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.

Senior Research Electrical Engineer

Vista Clara is seeking a full-time Master's or Ph.D. graduate with 1-5 years of experience in system-level electronics modeling, design, and testing to join our team!

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.

The Senior Electrical Engineer will work from Vista Clara's office in Mukilteo, with domestic and international travel as needed.

Requirements

- Masters's degree in Electrical Engineering or relevant field.
- 1-5 years of experience in the developing and testing of analog electronics from the board level to the system level.
- Ability to independently manage complex engineering and project development tasks.
- Experience in low-frequency RF electronics, digital control and communication electronics, high voltage power supplies, and IGBT modules.
- Experience designing new printed circuit board (PCB) assemblies using professional PCB layout software.
- Excellent verbal and written communications skills.
- 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

- Ph.D. in Electrical Engineering.



- Experience developing and implementing best practices and industry standards for electrical circuit design.
- Experience with design for manufacturability.
- Experience in magnetic resonance, ultrasound, seismic, or active acoustic measurement systems are relevant.
- 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 R&D team and the lead electrical engineer for developing novel analog electronics under multiple R&D programs. The Senior Electrical Engineer will be actively involved in developing and transitioning novel NMR-based 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. The designed systems are subjected to rugged field use and must be designed for vibration, shock, temperature, and EMI stress.

Numerous professional growth and leadership opportunities exist within the R&D department, including project management and product management.

Compensation

- \$100,000 to \$120,000 annually, DOE

Benefits

- Health Insurance that begins the 1st day of the month following your start date (100% company paid employee medical coverage)
- SEP-IRA account with annual contributions by the employer
- 20 days of PTO
- 6 paid holidays
- Optional life insurance

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.

To Learn More

Please visit www.vista-clara.com/ for more information about our company, our products, and case studies.

Vista Clara has partnered with All Things HR, an external HR Consulting Company, to assist with their recruitment process. If you would like to be a part of this dynamic company, please submit your resume and cover letter today!