



Systems Engineer/Electrical Engineer

Reports to:

Manager, Electrical Engineering

Role and Responsibilities:

Portal Instruments seeks a curious, detail-oriented hardware engineer to join the product development engineering team. The Systems Engineer will work with Portal's electrical, mechanical, and software engineering teams to design, verify, and commercialize Portal's needle-free drug delivery device.

- Work with Portal's electrical, mechanical, and software teams to design, debug, and verify/validate new and existing hardware.
- Emphasis on guiding Portal's risk management process, from preliminary hazard analysis to the implementation of effective risk control measures and their verification.
- Prepare documentation and conduct testing in support of safety certification and notified body submissions. Interface with 3rd party test houses.
- Support transfer to manufacturing, including build support, failure analysis, root cause analysis, and product improvements
- Work with Portal's existing suppliers and new vendors who you will find and evaluate to obtain and qualify parts.

Required Skills and Experience:

- At home in the medical device design and documentation processes. Familiar with ISO 13485 compliant quality management systems.
- Expertise in risk management and risk management process.
- Familiarity with IEC 60601. Experience with compliance testing and preparing documentation for certification.
- Portal strives to build a team with a diverse skillsets. Our product is a highly integrated electromechanical system, powered by a rechargeable lithium ion battery. The core of the electrical system is an ARM Cortex-M series microcontroller, with a generous helping of power electronics. Our firmware is written in C++ and runs on SafeRTOS. We use Python extensively for tools and automation. The team has a diverse set of skill sets, and many of us work across



multiple disciplines; If any part of the description above sounds like something you've worked on, we'd love to talk to you.

Qualifications:

- B.S. in engineering preferred
- 4+ years of product development experience in the medical devices
- Excellent written and verbal communication skills
- The ideal candidate will derive genuine glee from working in the medical device industry.

About Portal Instruments

Portal Instruments is a Series B funded medical device company focused on advanced drug delivery and backed by powerful strategic partners and venture investors. We are developing and commercializing a highly innovative needle-free drug delivery platform technology to transform the administration of medicines and improve the patient experience for chronic diseases. Portal's needle-free delivery technology enables the injection of high viscosity biologic drugs without the pain, anxiety and troublesome handling of needles. Our needle-free breakthrough technology is precise, reliable and comfortable to use. Additional real time tracking and reporting set a new standard for interactivity between patient and care teams to improve outcomes. Come join us on this exciting journey of making chronic patient care and comfort a priority.

Working at Portal Instruments

- Portal Instruments is looking for unique individuals who want to make a difference in the lives of patients and how medicines are delivered today
- Portal Instruments offers employees the opportunity to work in a fast-paced start-up that values innovation, intellectual rigor, accountability, teamwork, and openness while providing excellent leadership and development opportunities
- Portal Instruments is an equal opportunity employer offering a competitive salary, a comprehensive benefits package, including stock options, a 401(k) retirement plan, a health and dental plan and a chance to make a difference in the lives of thousands of patients.



To Apply: Please submit a resume and cover letter to: careers@portalinstruments.com, and please reference the position that you are applying for. You will be contacted if your background meets Portal's needs.