WhiteSwell

Electronic Design Engineer (Location: Galway, Ireland)

You will work as part of a cross-functional engineering team responsible for all components of the eLym™ System development, including catheter, sheath and console. A strong communicator and team player, you will lead the electrical & electronic engineering activity throughout the complete product lifecycle.

Join WhiteSwell, a dynamic, rapidly growing organisation, as we seek to fundamentally shift treatment of acute decompensated heart failure by harnessing the vital role of the lymphatic system in restoring fluid balance.

What you'll do

- Lead design activities based on input from clinical users, in consultation with other R&D staff, and the system functional requirements.
- Execute projects including architecture design, component selection, schematic design, simulation, layout, prototype build, board bring-up, PCB test design, system integration, cable/connector assembly design and integration of complex systems.
- Design concepts and build prototypes; analyse test data and interpret to identify optimal solutions to technical challenges. Participate in technical design reviews to ensure electrical design integrity and safety are achieved.
- Research state of the art technologies that relate to the scope of the programme and identify technical capabilities that can advance and accelerate the company's R&D projects.
- Support the team on all matters related to design and manufacturing including working closely with external partners. Support development of laboratory & production systems for the assessment of device performance.
- Positively contribute to a culture that is respectful, supportive, goal oriented, scientific, and diverse.

What you bring

- A Bachelor's degree in Electronic/Computer Engineering or a related discipline. A Masters or PhD in a related field is highly desirable.
- 3+ years experience in electronic / hardware design. Experience with analogue and digital circuit design, including simulation. Experience with interfacing of hardware peripherals like sensors and motor drivers. Experience working in a regulated environment, and with electrical safety and EMC regulations.
- A self-starter who can deliver the work required to advance the project with a minimal amount of direction. Able to work independently as well as effectively within a cross-functional team.
- Experience with Eagle (or similar) for PCB design and layout. Knowledge of microcontroller architectures and serial communication technologies. Knowledge of Labview and Matlab software packages.
- Excellent oral and written English language and communication skills. Can express him/herself spontaneously, fluently and precisely, differentiating finer shades of meaning even in complex situations.

What next

- Send your CV and the reasons why you're a great fit for this job to challenges@whiteswell.com