Senior Electrical Engineer

Location: Phoenix, AZ

Type: Contract

Contact: paul@hulkegr.com

Job Description

Our company is in need of an Electrical Engineer to provide electrical design and development support for our current and next generation of Immunoassay instruments.

This position will have a focus on investigating, designing and improving electrical systems including printed circuit boards, sensors, motors, cables, PCs, peripherals and electro-mechanical system hardware. Responsibilities: Support or lead obsolescence projects, reliability investigations and new product development. Perform both empirical and theoretical analysis to formulate conclusions. Develop project schedules, track and communicate project status. Identify critical design factors and risks that impact customer needs and regulatory requirements, and establish engineering specifications accordingly. Create and maintain detailed drawings that include schematics, bills of materials, assembly drawings and material specifications. Develop test criteria, test plans and test reports. Implement design changes through interactions with Manufacturing, Service, Quality and Regulatory. Support or lead cross-functional teams, working with other groups to resolve issues.

Position Qualifications: BSEE or related degree and 5+ years of relevant experience OR Masters degree and 3+ years of relevant experience. Experience with instrumentation design and integration including printed circuit boards, microcontrollers, digital and analog circuits, sensors, cables and motion control. Experience with firmware or software development preferred. Experience using CAD tools (OrCAD preferred). Demonstrated capability to troubleshoot, develop or improve electromechanical systems using analytical and statistical methods. Formal problem solving methodology experience preferred. Proficient with Microsoft Office applications (primarily Word, Excel

and PowerPoint). Excellent written and verbal communication skills. Experience in developing products in a medical device or regulated environment preferred