HOPEWELL DESIGNS, INC.

5940 Gateway Drive, Alpharetta, GA 30004

Electrical/Software Engineer

Hopewell Designs, Inc. seeks an Electrical/Software Engineer to work on electrical and software design of state-of-the-art irradiator equipment and shielding products. Designs include; deriving system power requirements, control system interfaces with motion control, safety interlock and pneumatic subsystems, PLCs, and data acquisition devices.

We are one of the world's leading companies in supplying calibration irradiators for radiation instrumentation. We are a small company but expanding and require a self-motivated, dynamic, and resourceful engineer to help facilitate the growth of the business.

Our customers include the Department of Energy (DoE), Department of Defense (DoD), the National Institute of Standards and Technology (NIST), nuclear power plants, university research laboratories, private industries, and international calibration facilities.

We are seeking an experienced Electrical/Software Engineer who will help design, integrate, install, and service our automated calibration systems. Essential skills and experience in multiple areas include: electrical and software design, automated/control system integration, and field service. Experience in the nuclear industry, especially in the area of health physics, is a plus. We are looking for an individual who enjoys both the managing of complex projects as well as the hands-on work of designing and building control systems. Some domestic and international travel will be required.

Duties include:
- Design and develop electrical panels focusing on safety, manufacturability, and maintainability.
- Interface with customers to determine design requirements at customer sites; such as electrical circuit loads, receptacle locations, conduit dimensions and routing and safety system components.
- Design and develop control system software for monitoring and control of various subsystems.
- Design and develop HMI user interfaces and PLC software.
- Oversight of equipment fabrication and integration.
- Participate in integration of systems and equipment prior to shipment, including electrical assembly and wiring, mechanical assembly, and testing of systems.
- Maintain awareness of the evolution of multiple projects at one time to meet the key milestones of the production cycle.
- Technical writing of system and software specifications, system operation manuals, and project procedures.
- Travel for Customer-site installations and service/maintenance (up to 30%).

Desired Skills and Technical Experience:
- Bachelor's Degree in Electrical, Software or related engineering field.
- 2+ years of experience in industrial automation, electrical and software design, or equivalent.
- Strong knowledge of electrical systems design; drive systems, linear positioning systems, and pneumatics.
- Familiarity with National Instruments LabVIEW development environment (NI certification a strong plus).
- PLC programming experience (Panasonic FPWin Pro is a plus).
- Ability to read and understand mechanical drawings and schematics.
- CAD experience for electrical schematic generation (Solidworks Electrical is a plus).
- Must be able to communicate extremely well, both verbal and written, with customers, vendors, and staff.
- Experience in Technical writing.
- Previous work in the nuclear industry in the areas of health physics, instrument calibration, radiation shielding (is a strong plus).

Background on Hopewell Designs, Inc.

Founded in 1994, Hopewell Designs is the national leader in manufacturing Automated Irradiator Calibration Equipment and supplies quality equipment world-wide for the nuclear industry. We also manufacture a broad range of Shielding and Storage products for the nuclear power, oil well logging, and medical industries. To learn more about Hopewell Designs, please visit www.hopewelldesigns.com. We have a great work environment where innovation and creativity are rewarded – where hard work leads to growth and responsibility. If you are looking for a great place to work where you will be challenged to be your best, send us your resume.

Qualified applicants: forward your resume with salary history by email to careers@hopewelldesigns.com.

NO PHONE CALLS! NO RECRUITERS!

Company:	Hopewell Designs, Inc.	Location:	Alpharetta, GA 30004
Salary/Wage:	Based on Experience	Status:	Full Time, Employee
Jog Category	Electrical/Software Engineer	Relevant Work Experience:	2+ years
Career Level:	Intermediate	Education Level:	Bachelor's Degree Electrical, Software or related field of engineering