



Electrical Design Engineer

Sydor Technologies LLC — Location: United Kingdom Offices

COMPANY OVERVIEW

Sydor Technologies (www.sydortechnologies.com) is a global leader providing comprehensive, customized solutions for the most complex measurement challenges in the defense, energy, security and research industries. We pride ourselves on being a trusted, collaborative partner for our customers while solving technical problems with innovative solutions. Sydor's US based operations specialize in high-speed imaging systems and diagnostics. The Company's UK operations specialize in ballistic and impact testing systems as well as scoring systems. The company operates in 33 countries around the world with its world headquarters located in Rochester, NY.

Sydor Technologies is a high growth, small business, focused on growing organically as well as through strategic acquisitions. The company has been featured as one of the fastest growing companies in Rochester (NY) Top 100 and in the top 25% of Inc. Magazine's 5000 fastest growing companies nationwide. Our success is a testament to our employees and their commitment to customer focus, team work and high performance. Our employees are the best and the brightest in the industry and are the company's greatest asset.

JOB OVERVIEW

Sydor Technologies are looking for an enthusiastic electronics design engineer to design and develop new and existing products for a variety of applications. An ideal applicant would be an experienced electronics design engineer with a broad understanding of electronics from analogue design to microprocessor digital interpretation of the analogue signals and communication through various networks. A hands-on and self-managed approach is very much desired, maintaining a strong ownership in the design and practical testing of the system prior to release and managing the subsequent release into manufacture.

Experience with ballistic detection would be an advantage, either acoustic or optical detection techniques. Applicants should be driven and react well to challenges and changes in schedule, as the products may require customisation to meet specific requirements.

Applicant should manage own workload and report of progress

JOB ROLE

- Design electronics products used for the detection and determination of the position and speed of ballistic objects.
- Electronic design and modelling of analogue and digital circuits and their documentation
- Production of the manufacturing data required to make the PCBs, Schematics, gerbers etc..
- Test and validation of designs.
- Develop test and quality procedures for the electronics through manufacture and build
- Programming microprocessors, such as PIC processors to interpret incoming analogue or digital signals and to output through a communications network.
- Integration with other team members to complete project work – especially interface with CAD.
- Developing robust communications networks using a variety of communications protocols and advantage, TCP/IP, RS232/RS422/RS485 and wireless communications networks
- Ensure adequate documentation of designs both physical and the generation of indented bills of materials for the products for release onto MRP and to maintain ISO9001 standards.

JOB OPENING: Electrical Design Engineer

SKILLS

- Analogue electrical design,PCB design, surface mount design. Generation of manufacturing files to a PCB manufacturer.
- Firmware design and microprocessor programming – C/C++, experience with microprocessor controllers (PIC desired)
- Transmission protocols RS232/RS422/RS485 TCP/IP and wireless protocols.

PACKAGES

- OR-CAD
- LT-Spice / PSpice
- C/C++, LabView, Matlab, Simulink
- VHDL, Verilog
- Familiarity with CAD packages.
- Experience with following an advantage: AutoCAD, Solid works, Solid edge (Siemens).

Submit cover letter and resume/CV to OPPORTUNITY@SYDORTECHNOLOGIES.COM.

Sydor Technologies is an equal opportunity employer: "M/F/D/V – EOE".