

Job Title: Electronics Design Engineer
Industry: Engineering, Oil & Gas
Location: Warrington, Liverpool, Manchester, Cheshire
Rate: £35K - £45K depending on experience
Job Type: One year fixed term appointment
Start Date: ASAP

Company:

We are a leading NDT company specialising in the design and development of advanced automated ultrasonic inspection solutions, supporting our Worldwide NDT field service division. Projects typically range from bespoke ROV/Diver deployed submersible inspections, to topside remotely operated inspections. Our projects are always pushing the boundaries of inspection in some aspect whether it be operating depth, temperature, speed of inspection, or size.

Job Summary:

We require an experienced and innovative Electronics Design Engineer to join our growing engineering team supporting existing and next generation NDT equipment development. The appointed Electronics Design Engineer will take a key position within the Design Team leading electronic product and prototype design activities, working closely with software and mechanical engineers to realise designs. This person is also expected to be involved in the preparation of costs and associated documentation.

Essential Duties and Responsibilities include the following:

- Design & Documentation of specialised NDT electronic equipment
- Manufacturing support on technical issues.
- Creation of assembly/test documentation
- Creation of schematics, PCB layout, Bills of Materials, parts lists
- Ability to work under time constraints and meet agreed deadlines
- Liaise with suppliers to organise component manufacture.
- Carry out assembly and test of designs.
- Attend Project/Development related meetings

Qualifications/Experience:

To be successful in this position, the individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skills, and /or ability required.

- Degree or HND in an Electronics discipline with relevant experience (5-10 years)
- Experience in an electronic design environment
- Knowledge of analogue and digital electronics, components and sensors
- Knowledge of PCB Layout for reduction of RFI/EMI
- High voltage linear and switching design and power transients
- Experience in high frequency, low noise, wide bandwidth design and low-level signals focussed on improving s/n ratio
- Experience selecting and programming microcontrollers using various languages
- Analysis/simulation using Pspice
- Good knowledge of communication protocols such as RS485, TCP/IP, I2C, SPI.
- Knowledge of designing components for NDT inspection applications (Desirable)
- Self-motivated with the ability to work independently, but also sensitive to team dynamics/goals.
- Familiarity/Competency with Microsoft Office tools
- Well organised with good written and oral communication Skills.

Benefits:

- *5% Employer pension contribution*
- *20 days holiday plus bank holidays*
- *Discretionary leave over Christmas period*
- *Option to purchase additional holidays via Salary Sacrifice*
- *Profit Share Bonus*
- *Paid overtime at increased rates for evenings and weekends, dependant on salary*
- *Discretionary overtime reward scheme triggered by total additional hours worked*
- *Flexible working around core hours*
- *Team events (social & company)*

To apply for this position please email your CV to jobs@sonomatic.com