

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

Company:

We are a leading NDT company specialising in the design and development of automated equipment for the manipulation of ultrasonic probes, supporting our Worldwide NDT field service division. Projects typically range from ROV deployed subsea inspection equipment and topside remotely operated inspection equipment to manually operated scanners.

Job Summary:

We require an experienced and innovative Electronics Design Engineer to join our growing engineering team supporting 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 digital electronics and software resources 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 high end 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 of analogue and digital hardware design
- Experience in high frequency, low noise, wide bandwidth design and low-level signals focussed on improving s/n ratio
- Schematic capture and PCB design
- Experience of embedded microcontrollers such as PIC and ARM
- Knowledge of PCB Layout for reduction of RFI/EMI
- High voltage linear and switching design and power transients
- Analysis/simulation using Pspice
- Self-motivated with the ability to work independently, but also sensitive to team dynamics/goals.
- Knowledge of designing components for NDT inspection applications (Desirable)
- Familiarity/Competency with Microsoft Office tools
- Good organizational, written, and oral communication skills

Benefits:

- *5% Employer pension contribution*
- *20 days holiday*
- *Profit Share Bonus*

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