

JUNIOR/GRADUATE ELECTRONICS DESIGN ENGINEER

Interfaces:

Reporting line:	Electronics and Firmware Engineering Manager
Direct reports:	None
Interfaces:	Technology Team Electronics, Software, Mechanical, Production and Operations Teams
Location:	Norwich

Job Brief:

The position is within the Technology Team based in Norwich developing wellbore inspection tools for the Oil and Gas industry. You will be working closely with engineers from a range of disciplines with a variety of skills and experience. EV's key technology revolves around video capture and image processing in extreme environmental conditions, including temperatures up to 175C. You, as a junior engineer, will be working closely with the senior design team providing support and gaining the experience you will need to progress in your career. The Technology Team is casual but fast paced environment where two days are rarely the same. As a small team many of the engineers are multiskilled and the ability to expand your skill set, with the support of the team, will be important for this role.

Role and Responsibilities:

- Work with senior design engineers to design and develop electronic systems for EV's current and future well bore inspection tools
- Electronics design from schematic capture, PCB layout, to test planning and implementation
- Assist with the supporting and maintaining existing product designs
- Assisting senior design engineers
- Component qualification for extreme environments with the production of detailed reports
- Work within the EV design methodology and processes
- Comply with company's HSE policy, working in a safe and considerate manner

Essential Skills required:

Minimum: 2.1 Degree in Electronic Engineering or similar

Keywords: Electronic fundamentals, Digital Design, Analogue Design, Testing, Lab equipment, PCB layout, Schematic Capture

- Analogue and digital circuit design

- Familiarity with common lab test equipment
- PCB design with mixed signals
- An awareness of the product design cycle including design specification, test and documentation
- Structured test implementation
- A structured and methodical approach to component level fault finding
- Motivated, quality-focused with excellent team working skills
- Good English communication skills, oral and written.

Desirable Skills:

Keywords: Electronic fundamentals, Digital Design, Analogue Design, Testing, Lab equipment, PCB layout, Schematic Capture

- Experience working in a profession design team
- Precision Soldering
- C derived langue development for microcontrollers
- Assembler
- Mentor Graphics PADS Designer and Layout
- MATLAB

Package

- Subsidised Private healthcare
- Salary sacrifice pension scheme
- Further education support
- 25 days holiday, plus public & additional day for long service
- Company supported fund raising
- Relocation assistance as appropriate