



Electronics Design Engineer

Exeter, Devon

Executive Summary

As a Sunday Times fast track 100 company, AnTech operates globally with offices in the UK, USA and Saudi Arabia. Operating across two divisions, we provide custom products to the upstream oil and gas industry, and offer a specialist directional coiled tubing drilling (DCTD) service. Due to continued expansion and increased new product development we are looking to recruit into our Electronics team.

Purpose of Your Role

Working within AnTech you get the opportunity to be involved in the whole project lifecycle, from concept and specification, design through prototyping and testing to preparation for manufacture. You'll work with the cross-disciplinary engineering team, liaising with mechanical and software engineers to achieve the overall product design. There's always a new challenge in the role, from high temperature design techniques, design for compliance with Explosive Atmosphere standards (like ATEX) to instrumentation engineering and data science.

Key Job Accountabilities

- Design of electronic/electrical equipment.
- Designing PCB layouts.
- Writing firmware/software.
- Assembly of electronic/electrical prototypes.
- Wiring of electrical assemblies.
- Purchasing specification.
- Draw up BOMs and cost projects & assemblies
- Engineering calculations, eg thermal management of electronics.
- Preparing quality assurance documentation in accordance with the QMS.
- Design and manufacture review with the Management Team.
- Assembly and despatch.
- Work-in-progress inspection.
- Dealing with clients' technical queries.
- Helping to train other employees.
- Writing of technical literature.
- Maintenance of technical files.

Qualifications Required

A 2:1 degree in Electronic Engineering or equivalent, with 3 or more years' experience preferred.

Essential Skills

- A keen and responsible attitude to work and an ability to show initiative in all responsibilities and tasks.
- Numeracy, accuracy, attention to detail.
- The ability to follow through a task to its successful conclusion.
- The ability to learn and absorb new information and training.
- PCB CAD design tools eg. Altium.
- At least one firmware/software language eg. C (for Microchip processors ideally).
- Soldering (including high temperature) proficiency.

Knowledge of the following is desirable:

- Light precision mechanical and electrical assembly.
- Electrical systems and instrumentation.
- 17th Edition Wiring Regulations.
- An understanding of ATEX/ IECEx design principles.
- 3D printing

On the job training will be provided for those skills that need to be developed.

AnTech Benefits

Competitive salary with 25 days annual leave pro rata, in addition to 8 paid bank holidays. Workplace pension, plus a host of additional benefits.

What AnTech Looks For

- Employees with **integrity** and **capability** with a strong desire to **influence** the upstream oil and gas market.
- Ability to set **ambitious goals** and overcome obstacles to achieve them.
- A **passionate** approach to work with every day seen as an opportunity to **learn** and **improve**.
- Great **communication** to further build on the company's excellent reputation within the industry.
- A **collaborative** work ethos to continue to promote the AnTech culture of sharing of skills and expertise.
- **Ambition** to step up and manage projects

AnTech is proud to be an equal opportunity employer.

Watch our Brand Video >> <http://www.youtube.com/watch?v=tHzPly6leFU>

