



Electronics Design Team Lead

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

As leader of the electronics team you will be instrumental in driving the direction of the development of the electronics designed in-house at AnTech. Reporting to the Head of Engineering you will work with them and the leaders of the mechanical and software design teams to develop cross-disciplinary products. You will have responsibility for budgeting and delivery of projects that fall under your remit, including gaining approval from the finance director and reporting progress to the senior management team and external customers where relevant.

The electronics team is involved in the whole project lifecycle, from concept and specification, design through prototyping and testing to preparation for manufacture. 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 including PCB layouts and writing firmware/software
- Developing and coaching junior members of the electronics team
- Approval and review of design work from your team
- 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
- Dealing with clients' technical queries
- 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

- Proven ability to manage a team
- Workflow and project management experience
- 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 e.g. Altium
- At least one firmware/software language e.g. 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
- 17<sup>th</sup> Edition Wiring Regulations
- An understanding of ATEX/ IECEx design principles
- 3D printing

## 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>

