

Job Title: Graduate Electronics Engineer

Location: Onsite at our AnTech Office, Airport Business Park, Exeter

Reporting to: Head of Engineering

Contract: Full-time. 40 hours per week, Monday - Friday

Salary: £30,000 per annum

Closing Date: 12.30pm, Thursday 16 July 2026. Please note, that we reserve the right to close the role early should we receive suitable candidates.

About Us

AnTech are a global technology company providing products and specialist drilling services to the energy sector. Established in 1992, we design, manufacture and test all our equipment in-house, spanning all areas of mechanical, electronic and software design engineering. As the energy sector moves to a more sustainable future, the technology that has supported it will be ever more important, and we want to be at the forefront of that.

Your Role

The position entails supporting the design, development, testing, and manufacture of electronic engineering products and systems across the full product lifecycle, from initial concept through to production and assembly. Reporting to the Head of Engineering, the role contributes to engineering projects and the continuous improvement of engineering tools, processes, and solutions. The position requires effective collaboration with colleagues across the business and the development of professional working relationships with clients, suppliers, and other stakeholders to ensure successful project delivery and business performance.

Main Duties and Responsibilities

- Apply engineering principles and technical knowledge to support the design and development of electronic and electrical equipment, ensuring solutions meet performance, quality, and safety requirements.
- Demonstrate analytical and problem-solving skills in the design and layout of printed circuit boards (PCBs), considering functionality, manufacturability, reliability, and compliance with relevant standards.
- Develop and maintain embedded firmware solutions, applying structured programming practices, testing methodologies, and version control processes to support product functionality and continuous improvement.
- Build, assemble, and evaluate electronic and electrical prototypes, using practical engineering skills to verify designs, identify issues, and support product development activities.
- Undertake electrical wiring and assembly activities in accordance with technical specifications, quality standards, and safe working practices.
- Perform engineering calculations and technical analyses, including thermal management and other design verification activities, to support informed engineering decisions and optimise product performance.
- Collaborate effectively with colleagues, peers, and managers by participating in design reviews, technical discussions, and project meetings, demonstrating openness to feedback and a commitment to continuous learning.

- Prepare clear, accurate, and well-structured technical documentation, including reports, specifications, user guidance, and other supporting literature, tailored to the needs of different audiences.
- Maintain technical records, design documentation, and project files to ensure information is accurate, traceable, and compliant with organisational and quality management requirements.
- Demonstrate a commitment to professional development by maintaining awareness of emerging technologies, industry standards, and engineering best practices.

Please note that there is opportunity for international travel to support international clients and or drilling services. Travel is occasional however applicants must be aware that this is part of the role and be willing to travel when required.

Required Skills and Competencies

Essential:

- Degree (BEng, MEng, BSc or equivalent) in Electronics Engineering, Electrical Engineering, Embedded Systems, Mechatronics, or a related engineering discipline.
- Strong understanding of fundamental electronic and electrical engineering principles
- Ability to interpret engineering drawings, schematics, and technical specifications.
- Understanding of engineering calculations and analytical techniques.
- Experience of analysing technical problems, identifying root causes, and developing practical solutions.
- Demonstrates logical thinking and attention to detail when undertaking engineering activities.
- Ability to apply theoretical knowledge to real-world engineering challenges.
- Proficiency in IT knowledge, Microsoft Office applications and standard engineering software.
- Excellent communication skills with the ability to communicate technical information clearly and effectively, both verbally and in writing.
- Demonstrate a commitment to professional development by maintaining awareness of emerging technologies, industry standards, and engineering best practices
- Fluent in English, verbal and written.

Desirable:

- Relevant industrial placement, internship, university project, or work experience in an engineering environment.
- Membership of, or aspiration to join, a relevant professional engineering institution.
- Knowledge of industry standards, regulatory requirements, and quality management systems.

Personal Attributes:

- A genuine passion for electronics that extends beyond the workplace - whether that's a home workbench, hobby builds, experimenting with microcontrollers, or simply a habit of taking things apart to see how they work
- Demonstrates initiative and a proactive approach to learning and problem solving.
- Committed to maintaining high standards of quality, safety, and professionalism.
- Flexible and adaptable in a dynamic engineering environment.
- Ability to work collaboratively with a diverse team across all areas of the business.
- Maintains performance, professionalism and composure when under pressure.
- Self-motivated with a flexible attitude and an approachable personality.
- Able to present a positive professional image of AnTech at all times.

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