

Job Title: Mechanical 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: £ dependent on experience

Closing Date: 12.30pm, Tuesday 14 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

In this role you will support the design and development activities of the Mechanical Engineering Department by delivering engineering projects and tools through the prototyping, testing, and design validation stages. The role is responsible for evaluating product performance, identifying opportunities for improvement, and implementing design modifications where required.

Main Duties and Responsibilities

- Apply sound engineering principles, analytical techniques, and industry standards to perform accurate calculations that support product design, development, performance verification, and compliance requirements.
- Evaluate design assumptions, identify potential risks, and provide technically robust recommendations to support decision-making throughout the product lifecycle.
- Develop clear and comprehensive technical specifications for engineering projects, products, and tooling, ensuring requirements are accurately defined, achievable, and aligned with customer, regulatory, and business needs.
- Produce and maintain accurate quality assurance documentation, test records, inspection reports, and compliance evidence to support internal quality processes and external customer requirements.
- Participate actively in product development reviews with the Engineering Manager, providing technical insight, progress updates, risk assessments, and recommendations to support informed project decisions.
- Conduct inspections of products and assemblies during manufacture and development to verify compliance with drawings, specifications, quality standards, and project requirements.
- Respond professionally and accurately to client technical enquiries, providing expert advice, troubleshooting support, and practical solutions to engineering challenges.
- Prepare, review, and maintain technical literature, including operating instructions, technical manuals, product specifications, test reports, and engineering documentation.
- Maintain comprehensive and organised technical files, ensuring all design records, calculations, drawings, specifications, test results, and validation documentation are controlled, current, and readily accessible.
- Support traceability, compliance, and knowledge retention through effective document management practices.

- Interpret test data and provide evidence-based recommendations for product acceptance, modification, or further investigation.
- Identify opportunities for product enhancement, cost reduction, improved manufacturability, increased reliability, and enhanced customer satisfaction.

Required Skills and Competencies

Essential:

- Educated to degree level or above in related subject.
- Able to demonstrate previous experience of working as a Mechanical Engineer and being able to use technical judgement when translating design concepts into practical engineering solutions.
- Experience of successfully working to project deadlines, whilst demonstrating a systematic working approach to record keeping and adherence to quality management standards.
- Excellent communication skill with the ability to communicate complex technical information clearly and accurately to both technical and non-technical audiences.
- Competent IT knowledge and skills
- Fluent in English, verbal and written.
- UK full valid driving licence.

Desirable:

- Knowledge of electrical / fibre optic processes.

Personal Attributes:

- Able to carry out physically demanding tasks, which includes standing for periods of time and lifting up to 25kg .
- 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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