

## **Manufacturing Engineer, £NEG – Cambridgeshire**

A renowned manufacturer producing award winning pioneering products worldwide, delivering exceptional quality products for customer satisfaction, is seeking a Manufacturing Engineer to join a growing dedicated team to be part of their successful fun and happy work environment.

You will be degree qualified or similar calibre with a minimum of 5 years plus electromechanical engineering experience within a full life cycle manufacturing environment focusing on the design and development of world class products, taking designs from concept, manufacture and finished stage ensuring quality and safety.

Ideally you will have design of products compliant with Intrinsic safety (ATEX, IECEx) and CE mark with use of 3D CAD/SolidWorks and product data management to generate 2D drawing pack. Experience of NPD manufacturing processes including injection moulding, tolerance analysis and geometric dimensioning and tolerancing is desirable. Use of simulation tools ideally Comsol or Finite Element Analysis and material selection knowledge of ATEX would be an advantage.

*Reporting to the R&D Director your main responsibilities include:*

- Design of instrumentation products throughout life cycle
- Compliance with ATEX/UL intrinsic safety standards and/or SIL functional safety standards
- Support and enhancement of existing products, meet new requirements and eliminate malfunctions
- Incorporate new product technologies into production for new applications
- Work with stake holders and suppliers to ensure the best outcome for the product
- Working with suppliers and production to ensure that parts and components working quality
- Test and evaluate theoretical designs
- Design of electromechanical pneumatic components and products in 3D SolidWorks
- Product prototypes for analysis
- Consider design failure modes and effects analysis, design for test for design manufacture assembly
- Problem solving complex pneumatic and electromechanical instruments
- Support ongoing production
- Jig and fixture design and manufacture

You will be highly organised ideally with knowledge of version control, collaborative with excellent attention to detail, extremely motivated team player building rapport internally and externally with the ability to work under pressure to meet work deadlines.

Attractive benefits packing includes: 25 days annual leave including with service plus Bank Holidays, excellent employer pension contributions of 8% after probation, life assurance of 4% of pensionable salary, discretionary annual bonus, long term service awards, monthly lunch and drinks paid by the company, sick pay, Christmas getaways, private medical with AXA, bike purchase scheme, car share scheme, early finish on a Friday and parking on site.

**Thurlow Resource Solutions Limited**

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