

Careers

Manufacturing Engineer, Belfast

Join our expanding team of innovators and technical professionals in delivering solutions that have an impact on our vision to clean and decarbonise the air.

Position

A manufacturing engineer is responsible for designing, implementing, and maintaining manufacturing systems and processes. They use their knowledge of engineering principles and manufacturing methodologies to improve production efficiency and reduce costs. This includes analysing product designs for manufacturability, creating process flow diagrams, designing assembly fixtures, and drafting work instructions. A manufacturing engineer also develops quality control plans and provides technical support to production staff.

Position Responsibilities

- Design and develop manufacturing processes for new products and ensure they are optimized for productivity, quality, and cost.
- Conduct feasibility studies to identify areas for process improvement and work with cross-functional teams to implement changes.
- Use design for manufacture and assembly (DFM & DFA) methodologies to ensure products are designed to be produced efficiently and cost-effectively.
- Develop and maintain Bills of Materials (BOMs) for manufactured products and update them as necessary.
- Ensure compliance with documentation standards, including Engineering Change Requests (ECRs), and document control procedures and helping to develop these procedures.
- Design and implement testing and quality control procedures to ensure product quality and consistency.
- Work closely with production staff to troubleshoot production issues and continually improve manufacturing processes.

Essential Requirements

- Bachelor's degree in manufacturing engineering, mechanical engineering, or a related field.
- 3-5 years of relevant work experience in a manufacturing environment.
- Proficiency in CAD software, such as SolidWorks preferable.
- Familiarity with design for manufacture (DFM) principles and methodologies.
- Knowledge of assembly fixtures, work instructions, and quality control measures.
- Understanding of Bills of Materials (BOMs) and Engineering Change Requests (ECRs).
- Excellent problem-solving skills and attention to detail.
- Strong communication and interpersonal skills to collaborate with cross-functional teams.

Interested?

Send your CV to careers@catagen.com

Benefits:

- Competitive basic salary commensurate with experience.
- Benefits package including – Company Pension, Private Medical, Cycle to Work Scheme etc.

About CATAGEN

CATAGEN is a pioneering testing facility delivering industry leading emissions data to global OEMs and stakeholders. Based in Belfast, our independent services provide unrivalled metrics to optimise catalyst development and reduce harmful tailpipe emissions.

Using technology, talent, and a united sense of purpose, CATAGEN have developed ClimaHtech. ClimaHtech is an acceleration system towards decarbonisation using advanced climate technologies to produce renewable hydrogen and E-Fuels.

Our testing and climate technologies are shaping the environment of our future by working towards cleaner air for our cities.

Values

ONE CATAGEN - We put 'we' before 'me' working across boundaries, holding each other accountable and working as a cohesive team.

FEARLESS - We challenge ourselves to push beyond what we think is possible by taking risks and learning new skills.

CUSTOMER OBSESSED - We actively engage, listen and learn from our customers, making it easy to work with us. We deliver solutions in a timely and accurate manner.

ECONOMICALLY DRIVEN - We're ambitious in our 'financial goals' whilst being prudent with resources. We respect that we are a corporate business whose first goal is to be financially secure and to grow and identify new opportunities.

SUSTAINABILITY - We built CATAGEN 'to clean and decarbonise the air', to impact climate change through the development of innovative Net Zero Technologies.

Interested?

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