

## Careers

# Sustainable Design 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

As a Sustainable Design Engineer, you will be responsible for creating and developing innovative designs for various mechanical systems and products. You will collaborate with cross-functional teams, including manufacturing, marketing, and quality control to ensure that all designs meet the necessary specifications and comply with industry standards.

### Position Responsibilities

- Develop and design mechanical systems and products according to specifications and requirements.
- Create 2D and 3D models using CAD software such as SolidWorks or AutoCAD.
- Prepare and review design drawings, technical specifications, and BOMs (Bill of Materials) for various mechanical components.
- Conduct feasibility studies, prototype testing, and product validation to ensure designs meet performance, safety and quality standards.
- Collaborate with Manufacturing Engineering and Quality to ensure designs are manufacturable (Design for Manufacture and Assembly).

- Monitor and review design changes and incorporate appropriate updates.
- Ensure that all designed products comply with industry regulations and standards.

### Essential Requirements

- Bachelor's degree in Mechanical Engineering or a related field preferred.
- 3+ years of experience in mechanical design.
- Proficiency in CAD software such as SolidWorks or AutoCAD.
- Knowledge of BOM management and ERP/ MRP systems.
- Strong problem-solving skills and attention to detail.
- Excellent communication and collaboration skills.
- Ability to work independently and manage multiple projects simultaneously.

**Interested?**

Send your CV to [careers@catagen.com](mailto: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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