

Careers

Decarbonisation Systems Engineer - Mechanical, 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

The Decarbonisation Systems Engineer - Mechanical performs engineering duties including design, research, testing, and analysis of mechanical systems, equipment, and machinery components.

Position Responsibilities

- Design and develop mechanical components and systems using analysis, calculations and modelling techniques.
- Conduct research to develop manufacturing processes, instrumentation, and mechanical equipment.
- Analyse test data and propose design improvements to resolve technical issues.
- Develop and test prototypes of mechanical devices and systems to evaluate design performance.
- Prepare detailed drawings, engineering plans, specifications, and cost estimates for projects.
- Supervise manufacturing, installation, operation, maintenance, and repair of mechanical systems.
- Coordinate work teams and provide technical support.

- Maintain engineering documentation including design plans, test logs, timelines and progress reports.
- Ensure compliance with all applicable quality, safety, and engineering codes and regulations.
- Stay current on the latest mechanical engineering principles, technologies, and practices.

Essential Requirements

- Bachelor's degree in Mechanical Engineering or related engineering field.
- 3+ years experience designing mechanical components/systems.
- Strong technical software skills including CAD, FEA, CFD, etc.
- Hands-on experience with manufacturing and testing techniques.
- Strong analytical thinking and problem-solving skills.
- Excellent verbal and written communication abilities.
- Knowledge of relevant safety, quality, and compliance standards.
- Ability to work well independently and collaboratively in a team.

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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