

Careers

Decarbonisation Systems Engineer – Electrical/ Electronic, 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 – Electrical/Electronic plans, designs, and implements electrical and automation systems, specializing in PLCs, industrial controls, and instrumentation.

Position Responsibilities

- Design, program, and test PLC, embedded device, and industrial automation systems.
- Create specifications, diagrams, and installation plans for electrical and controls projects.
- Conduct analysis and troubleshooting on automation systems, drives, instrumentation, and process controls.
- Provide technical guidance to team members implementing electrical/automation designs.
- Verify electrical and automation systems meet functional specs, safety standards, and quality guidelines.
- Evaluate performance and reliability of electrical/electronic components and equipment. Recommend improvements.
- Lead plant upgrades including budgeting, scheduling, and project management.
- Ensure compliance with all relevant codes and standards such as ATEX and NEC
- Stay current on industry standards, new technologies, and modern automation techniques.

Essential Requirements

- Bachelor's degree in Electrical, Electronics, Mechatronics or Controls Engineering.
- 3+ years experience in industrial automation and PLC programming.
- Hands-on experience with major PLC platforms (Siemens, Allen-Bradley, Omron etc.)
- Knowledge of drives, HMIs, industrial networking protocols.
- Understanding of electrical codes, automation standards, safety practices.
- Understanding of hazardous area regulations such as ATEX.
- Experience with National Instruments and LabVIEW is preferred.
- Strong analytical and problem-solving skills.
- Excellent communication and documentation abilities.
- CAD and simulation software knowledge a plus.

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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