

Company Description

The built environment is responsible for 40% of global emissions. By 2060, we'll see the built environment double in size; this is equivalent to building one New York City every month for the next 40 years. Much of these emissions come from hard-to-decarbonize sectors such as concrete manufacturing.

Carbon Upcycling Technologies's patented technology reduces the carbon emissions of cement and concrete through carbon utilization and cement abatement, and also improves the strength of concrete while offering better durability and improved rebar protection. Carbon Upcycling offers the only commercial solution that utilizes solid waste materials, uses flue gas directly, and achieves cement reductions of over 15%. Carbon Upcycling enables lower carbon, higher resilient concrete for the adaptable infrastructure we need in the 21st century.

Since 2014, Carbon Upcycling has scaled its ability to convert CO2 emissions into value-add end materials by over a million times and has since been confirmed as one of the top CO2 utilization companies in the world as a winner of the X-Factor Award in the NRG COSIA Carbon XPRIZE. Carbon Upcycling has been named as a Solar Impulse Efficient Solution label recipient, a funding recipient of Fundación Repsol Entrepreneurs Fund, and a winner of the 2019 76West Clean Technology Competition.

Carbon Upcycling promises to use the waste of today to build a better tomorrow and has a vision of creating a world where carbon is a sustainable resource to shape the future of humanity. We are a team that values and embraces diversity in people and thoughts.

Culture

We have an incredible opportunity to make an impact on this earth. With a focus on innovation, we have been pushing the boundaries in some of the largest industries in the world. Employees of Carbon Upcycling lean into their curiosity and resourcefulness, are well adapted to a fast-paced environment, and are proactive problem solvers. We have fostered an ambitious team that has been able to scale our technology by over 10 million times in production capacity in the past 5 years. Through a corporate culture that is trusting and transparent, we have built a team with can-do attitudes that are committed to achieving evidence-based impact. Applicants who are looking for a culture that is focused on continuous learning and new challenges will fit in well. We believe in diversity. We believe in integrity. We believe in innovation. We believe in curiosity. We believe in accelerating change...together. Join us

Job Title: Lab Technician

Job Type: Full-time permanent

Department: Operations

Location: Southern Tier NY State

Role Overview: Plays an important role in Carbon Upcycling's operations; works in a dynamic materials laboratory environment; responsible for contributing to product manufacturing, research & development projects; directly supports the Operations Manager.

Responsibilities

- Collecting, receiving, labelling, and analysing sample compositions
- Organising shipments of processed materials
- Designing and executing laboratory testing in line with standard testing procedures, recording observations, and interpreting findings
- Recording all experimental data and test results accurately and in the specified format (written and/or electronic)
- Organizing and storing all samples according to safety instructions
- Ensuring that safety guidelines are adhered to at all times within the laboratory and on site
- Maintaining daily logs and equipment record books
- Cleaning, sterilizing, maintaining, and calibrating laboratory equipment, if required
- Ordering laboratory supplies, as needed
- Providing technical support
- Keeping up to date with relevant scientific and technical developments

Qualifications

- Bachelor's degree in chemistry or a related field
- Proven experience working as a lab technician
- Working experience operating electrical and non-electrical laboratory equipment
- Comfortable handling powder materials
- In depth knowledge of laboratory best practices
- Working knowledge of MS Office and database systems
- Ability to work autonomously and under pressure
- Excellent verbal and written communication skills
- Keen attention to detail
- Analytical skills
- Highly motivated
- Language: English