
Senior Process Engineer

Opportunity

We have an immediate opening for a **Senior Process Engineer** to join our growing team. This interesting and challenging position will focus on the design and operation of processing systems associated with the conversion of biomass into a stable biocarbon material via pyrolysis. The successful candidate will work closely with our Senior Mechanical Engineer and Senior Biocarbon Engineer.

Details

Location: Winnipeg, Manitoba (and surrounding areas)

Start: Immediate (but willing to be flexible for the right candidate).

Type: Full-time, permanent position

Compensation: Competitive salary, health and dental package

The Company

Carbon Lock Tech is a Manitoba-based start-up focused on developing systems and processes for accelerating the removal and sequestration of atmospheric carbon.

The increasing accumulation of carbon emissions in the atmosphere – in the form of carbon dioxide or methane – is a major driver of climate change. Solutions are needed to both reduce current emissions and draw existing carbon out of the atmosphere.

Carbon Lock Tech is developing a novel approach to carbon dioxide removal and sequestration that leverages the power of plants to take in and photosynthesize atmospheric carbon. This carbon is sourced through organic materials of all types and converted into a stable form of biocarbon. The company is looking to advance its prototype technologies and implement strategies for scale-up and commercialization.

Carbon Lock Tech is supported by the National Research Council, Sustainable Development Technology Canada, the Government of Manitoba, and is a finalist in Agriculture and Agri-Food Canada's *Food Waste Reduction Challenge*.

Please apply online at <https://carbonlocktech.com/engineer-78018>. Only those that meet the **Essential Criteria** will be contacted. Thank you.

Duties

The position will be responsible for the following:

- Developing and improving processes to accept, condition and carbonize organic waste, and handle, store and ship bulk biocarbon material.
- Sizing, sourcing, and commissioning systems and equipment to achieve the above.
- Providing overall project management leadership for the design, planning and installation of biomass/organic material carbonization systems and facilities.

Essential Criteria

- A bachelor's degree in engineering (master's degree an asset)
- A Canadian citizen, permanent resident, or refugee legally authorized to work in Canada
- A resident of Manitoba (Winnipeg or surrounding area)
- At least 5 years of proven industry experience working in a Senior Role as a:
 - Agricultural Engineer
 - Industrial Engineer
 - Mechanical Engineer
 - Power Engineer
 - Process Engineer
 - Systems Engineer
- Direct experience working in a start-up company (or advanced industrial project) with challenging goals, changing priorities, and technical uncertainties
- Direct experience and "hands on" approach to equipment installation, commissioning, testing, repairing, optimizing and operation
- A professional engineer (P.Eng.) designation

Asset Criteria

- Demonstrated success in developing and applying innovative, integrated engineering solutions that align with business objectives
- Demonstrated success in understanding and managing broad, high-level processes and projects with multiple priorities and outcomes
- Very strong time management, project management, and organizational skills
- A high degree of professionalism and respectful behavior
- A strong motivation to work in the areas of climate change, carbon management, and clean-tech
- A member of the following employment equity groups: Women, Visible Minorities, Indigenous Peoples, Persons with Disabilities

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