



2/6/2024

Job Description: Mechanical Engineer

BC Biocarbon is looking for a creative Mechanical Engineer to work on all stages of product development and delivery - from R&D design through to final commissioning and equipment handover. The position's goal is to design and qualify mechanical equipment and components used in the manufacturing of biochar. This role is a hybrid position (work from home and on project sites) involving up to 30% travel.

Core Job Responsibilities:

- Produce fabrication drawings
- Test and evaluate theoretical designs
- Design systems and components that meet production needs and requirements
- Develop process documentation (commissioning to operational)
- Alter and modify designs to meet requirements and to eliminate malfunctions
- Assist with review of production data to ensure data accuracy and to analyze for continuous improvements throughout the facility
- Perform such other duties and responsibilities as may be reasonably assigned by BC Biocarbon from time to time
- Become a technical expert in manufacturing of biochar
- Stay up to date on industry trends, emerging technologies, and best practices in mechanical engineering
- Travel to project sites as required

Required Qualifications:

- Bachelor's degree in Mechanical Engineering from an accredited university
- EIT or Professional Engineer in good standing
- Experience with computer-aided part and assembly design
- Solid understanding of thermodynamics, fluid mechanics, chemistry, physics, and mathematics
- Technical writing skills
- Working knowledge of mathematical computing and analysis tools (JMP, Excel, LabView, etc)
- Ability to communicate technical knowledge in a clear and concise manner



Desired Experience, Abilities and Skills:

- Critical thinking skills, with an ability to apply logic and to challenge assumptions, conclusions and to make appropriate recommendations
- Two (2) years of relevant work experience
- Experience with Solidworks

Location:

Onsite Worksites in BC and SK - 30%

Work from home - 70%

The annual base salary for this job ranges from:

\$66,500 - \$105,000

BC Biocarbon determines an individual's pay within the range based on multiple factors including education, experience, job-related skills, knowledge, and abilities. Total compensation will include stock options and health and benefit package.

To apply for this position please email a cover letter and resume to:
careers@bcbiocarbon.com