

## JOB POSTING – Civil Engineer

**Position:** Pilot Project Manager/Operations Engineer

**Company Background:** Alter Biota is a Canadian cleantech start up company using their patent pending process for producing specialty bio-graphene additives from renewable biomass feedstock.

**General Description:** Civil engineer for development of specialized bio-graphene admixtures for concrete. Candidate will possess broad technical knowledge around concrete mix design, destructive and non-destructive concrete testing, concrete production techniques, data analysis, and optimization. Candidate will be skilled in critical thinking and problem solving and be independent, practical and hands on in this regard.

**Primary Job Functions:** Lead advanced concrete testing program for novel nano-carbon admixture with in-house resources and 3<sup>rd</sup> party advisors/partners. Provide critical feedback to process team on admixture performance. Oversee deployment of novel software and hardware technologies for mix design optimization.

### Required skills:

- Project management
- Design of experiments
- Value engineering
- Data analysis (minimum Excel, ideally Python, SQL, etc.)
- Quality management

### Desired skills:

- Understanding of machine learning concepts, nanomaterials, spectroscopic analytical techniques
- Understanding of carbon dioxide offset methodologies and markets

**Experience:** Product research and development experience will be considered an asset.

**Education:** Bachelor's degree in civil engineering or chemistry with a specialization in concrete is a minimum requirement.

**Work status:** Full time

**Location:** Sydney, Nova Scotia

**Reporting:** Direct to CEO

**Compensation:** Commensurate with experience

**Start date:** January 2021

**Contact:** Send CV and cover letter to [info@alterbiota.com](mailto:info@alterbiota.com) by November 30, 2020