

Vibration Engineer

Novus Environmental Inc. specializes in the fields of air quality, wind & climate, sound, vibration, and sustainable water systems with a goal of harmonizing the built and natural environments. Integrating our expertise across disciplines ensures our clients achieve their goals and realize the most innovative and sustainable solutions available. We are currently seeking a highly motivated individual to become a key member of our Building Consulting Team in our Guelph, Ontario office.

Responsibilities: The successful candidate will work primarily on building design projects, providing specialized vibration advice to clients throughout North America. Working with our senior consultants, your primary responsibilities will include:

- Vibration assessments on challenging and stimulating projects encompassing:
 - design of floors for vibration from occupant activity (footfalls), environmental vibrations, building services, design for sensitive medical and research equipment.
- Conducting field measurements in challenging environments, throughout the year;
- Working to streamline and standardize data collection and analysis;
- Preparation and presentation of technical reports;
- Coordination of projects to maintain schedule and budgets;
- Leading the development of new models and applications related to acoustics, noise and vibration; and
- Establishing effective QA/QC procedures.

Qualifications: To be considered for this position, you must have a high degree of technical acumen and strong desire to work in the field of acoustics and vibration consulting. Additionally, you should retain the following attributes:

- Bachelor's or Master's degree in engineering (Civil/Structural preferred);
- Minimum 2 years of experience in vibration/acoustics consulting;
- Ideally eligible for Professional Engineering Licensure in the Province of Ontario
- Familiarity with the fundamentals and approaches used to measure, predict and evaluate building vibration;
- Familiarity and proficiency with reading design drawings and site plans;
- Proficiency with office suite and computational software (e.g., Visual Basic, Matlab, Microsoft Office Suite, finite element modeling packages etc.)
- Flexible and multitasking work habits, ability to work independently and a good team player;
- Ability to travel throughout North America;
- Highly organized, reliable, creative, innovative and energetic worker as well as a quick learner;
- Excellent written and oral communication and interpersonal skills.
- Special consideration will be given to candidates having experience with:
 - Vibration data acquisition and signal processing;
 - Finite element modeling software (e.g., SAP2000);
 - Data analysis and signal processing software (MATLAB);
 - Acoustics, noise and vibration through co-op or internships.

At Novus, our goal is to provide our clients superior service and advice. This is achieved through a positive working environment in which we continually challenge ourselves to listen, learn and innovate.

If you are interested in a rewarding and fulfilling career with Novus Environmental, please send your resume and accompanying cover letter in confidence to careers@novusenv.com.

We thank all candidates in advance for your application, however, only those chosen for an interview will be contacted. Novus endorses and practices the principles of equal opportunity employment and values diversity and inclusion. Accommodations are available during all stages of the recruitment process in accordance with AODA and the Human Rights Code.