

BUILT ENVIRONMENT CASE STUDY

Enhancing Acoustic Environments with Cerami's Site Assessment Services

CHALLENGE

Noise and vibration-related problems are becoming increasingly common as construction work and the general noise of building and operating systems increases.

SOLUTION

Cerami created a dedicated and flexible site assessment team to troubleshoot projects monitoring noise and vibration issues, offering preventative measures for clients of all sizes.

RESULT

Cerami's site assessment services help clients monitor and address noise and vibration issues to avoid potential costs associated with prolonged disturbances and end-user dissatisfaction.

In today's bustling world, a calm and restful environment has never been more essential. Noise and vibration issues can be highly disruptive and happen anywhere, at any time. Recognizing this growing demand, Trinity Cerami expanded its offerings with a dedicated team of on-call experts that provide comprehensive site assessment services for clients of all sizes.

Cerami's expansion into site assessment services demonstrates its commitment to meeting the evolving needs of clients. With a proven track record in acoustical design and troubleshooting, with a team of dedicated experts, Cerami empowers clients in the Tri-State area and across the United States to create and maintain serene acoustical environments.

CHALLENGE

Noise and vibration-related challenges can occur anywhere and arise from many different sources, such as ongoing construction activities, malfunctioning elevators, or the troublesome buzz generated by air conditioning units. For businesses, these disruptions can impact sensitive work, hamper employees' concentration, affect customer experience, and lead to reduced productivity. In residential settings, noise disturbances can cause discomfort and affect residents' quality of life. In any environment, excessive noise and vibrations can detract from a desired peaceful atmosphere.

SOLUTION

To address these issues effectively, Cerami assembled a team of experienced troubleshooters. Designed to be flexible and provide prompt solutions, Cerami's Site Assessment team offers swift attention, on-site investigation, and expert advice for a wide range of situations.

Noise and Vibration Troubleshooting: By thoroughly analyzing building and system performance, Cerami provides pragmatic and immediate solutions to mitigate noise and vibration disturbances to enhance the overall user experience.

Noise and Vibration Monitoring: For projects that are extra sensitive to noise and vibration, such as research facilities, hospitals, and personal residences, Cerami offers comprehensive monitoring services. By closely managing construction activities, environmental factors, and commissioning processes, Cerami develops strategies for compliance with project criteria and helps facilitate pleasant acoustic environments.

Preventative Services: Cerami's expertise extends beyond troubleshooting to also encompass preventative services that contribute to optimal design execution. Feasibility studies help clients evaluate prospective spaces for noise control measures, while design reviews ensure compliance with noise codes and project criteria.

RESULT

Cerami knows every project is unique and provides tailored solutions for existing and anticipated challenges. Cerami helps clients adhere to regulations and avoid potential costs associated with prolonged disturbances and dissatisfaction in commercial, institutional, and residential environments.

- ▶ Cerami helped a major medical and research institution ensure the safety of research and medical testing while the facility underwent construction. Cerami's diligent monitoring and detailed analysis aided in managing stakeholder expectations, adjusting processes, and lessening the effects of noise and vibration on sensitive research and equipment.
- ▶ When noise from the original elevator in a 1920s New York City apartment building began bothering a nearby tenant, Cerami was called in to provide specialized expertise. The Site Assessments team closely monitored the site, examined the existing equipment and surroundings, and provided a detailed analysis with options and recommendations for both short- and long-term mitigation.
- ▶ Cerami assisted a prominent East Coast engineering client in obtaining rezoning approval for a new development site. Cerami completed monitoring to determine existing ambient noise levels at the project site and provided a thorough analysis that detailed the noise attenuation necessary for the project to comply with local laws and guidelines.



Noise is universal and abstract until the moment it becomes a problem," said John Hauenstein, principal and site assessment team leader at Cerami. "That's when we step in.



ABOUT TRINITY CONSULTANTS

Trinity Consultants, a leading global environmental consulting firm, provides services and solutions in the EHS Regulatory Compliance, Built Environment, Life Sciences, and Water & Ecology markets. Founded in 1974, Trinity has the technical expertise, industry depth, and capabilities to help clients achieve their goals across the natural and built environments.