

Joshua Leasure, P.E.

Principal

Technical Skills

Industrial and Mechanical
Noise Control

Sound and Vibration
Measurement

Environmental and
Community Noise Analysis
and Mitigation

Architectural Acoustics

Scientific Software
Development

Education

B.S., Engineering
Colorado School of Mines
(2002)

Registrations

Professional Engineer, Texas

Joshua Leasure is the Principal and founder of Colorado Analytics. He is a consultant in acoustics, noise, and vibration, serving clients in a wide range of industries that includes manufacturing, heavy industry, oil & gas, architecture, land development, and government.

Mr. Leasure earned a Bachelor of Science in Engineering with a Mechanical concentration from the Colorado School of Mines. He is a licensed professional engineer in the State of Texas.

Representative Experience

- Conduct comprehensive surveys of work environments to identify and quantify noise sources that contribute to worker noise exposure
- Conduct noise and vibration measurements to correlate noise sources with resulting noise levels or personal noise exposures
- Conduct environmental noise studies to quantify or predict noise impacts and compare to applicable criteria
- Develop noise-propagation models to test conformance with regulation and/or proposed noise controls.
- Develop noise mitigation strategies including retrofit of equipment and implementation of barriers or enclosure



Work History

Principal

2016 – present

Colorado Analytics, Fort Collins, Colorado

- Conducts industrial noise control surveys to identify, characterize, and measure the effects of industrial noise sources in the context of worker hearing conservation.
- Performs noise and vibration measurements for industrial, mechanical, architectural, and environmental acoustics projects.
- Designs and develops engineering noise controls.
- Analyses industrial and environmental environments through computer modeling as part of indoor and outdoor noise studies.
- Prepares architectural drawing reviews and recommendations as a member of architecture and engineering design teams.
- Develops custom software for engineering and organizational applications.

Manager of Acoustics / Senior Consultant

2012 – 2016

Associates in Acoustics, Evergreen, Colorado

- Managed Acoustics Group
- Conducted field studies to assess industrial noise and vibration.
- Designed and developed engineering noise controls.
- Provided environmental noise measurement, analysis, modeling, and mitigation recommendations, including as part of HUD housing studies.
- Performed architectural and room acoustics studies.
- Provided mechanical/HVAC noise analysis and mitigation recommendations.
- Conducted noise dosimetry studies.
- Instructed in noise control and measurement training classes.

Senior Consultant

2008 - 2012

JEAcoustics, Austin, Texas

- Consulted on architectural acoustics projects including office, education, entertainment, worship, research, and medical buildings. Services provided include drawing review, specification review, partition and floor/ceiling design, room shaping, glazing analysis, and surface finish analysis.
- Consulted on environmental acoustics projects including transportation noise, residential noise impacts, HUD housing noise analysis.
- Provided mechanical/HVAC noise analysis and mitigation recommendations.
- Conducted vibration analyses and provided vibration mitigation recommendations.

Associate

2005 – 2008

Veneklasen Associates, Santa Monica, California

- Consulted on architectural acoustics projects including office, condominium, apartment, entertainment, performance, and medical buildings. Services provided include drawing review, specification review, partition and floor/ceiling design, room shaping, glazing analysis, surface finish analysis, and field measurement of airborne noise and vibration isolation.
- Consulted on environmental acoustics projects including transportation noise, residential noise impacts. Included transportation noise, noise ordinances, long-term noise measurement, and large-scale noise propagation modeling.
- Conducted vibration analyses and provided vibration mitigation recommendations.

Acoustical Engineer

2004 – 2005

Hankard Environmental, Fort Collins, Colorado

- Consulted on environmental acoustics projects, especially transportation noise.
- Performed large-scale noise propagation modeling and noise barrier analysis.

