KIM BEEEMAN

Kim Beeman joined VACC in 2017, with over 30 years experience in acoustical test and measurement, transducers, sensors, analog and digital instrumentation, digital signal analysis, software design and programming, and animal sound.

Mr. Beeman founded and ran Engineering Design for 25 years, providing sound and vibration measurement and analysis to 200+ university and corporate clients, and he is the author of the Signal software system for sound and vibration analysis. He combines analytical precision, technical depth and creative problem solving with an ability to work with teams and customers to define problems, invent solutions and allocate tasks and resources.

Work Experience:

2017-Present	*Consultant*, Vibro-Acoustic Consultants
1984-2017	*President*, Engineering Design
1979-1984	*Research Engineer*, Bose Corporation

Education:

B.S., Electrical Engineering, M.I.T., Cambridge, MA
A.B., English Literature, Harvard University, Cambridge, MA

Notable Projects:

1450 Owens St, San Francisco, CA
Sound tranmission modeling & specification of glass façade and traffic noise

Potrero Block-X, San Francisco, CA
STC and IIC analysis, modeling and design of ceiling/soffit retrofit

Better Market Street, San Francisco, CA
Ambient noise survey of Market Street corridor for EIR

Univ of California, Davis, CA
Ultra-low vibration audit of lab spaces for scanning microscopy instruments

Southeast Wastewater Treatment Plan, SF Public Utilities Commission
Sound intensity & radiated power measurements of motor-pump assemblies

Lindsay Corp, Rio Vista, CA
ISO-compliant measurement plan for operator noise & vibration exposure and total radiated noise power of "Road Zipper" Barrier Transfer Machine

1950 Mission Street, San Francisco, CA
Noise & vibration design & construction review for 157-unit residential complex

Drexel University, Philadelphia, PA
Data acquisition and control system to excite and measure earthquake structural failure

US Air Force
Design noise-canceling array microphone for F-15 fighter jet

Bose Corporation, Framingham, MA
Research and design on Bose QC noise-canceling headphone

North Slope Borough, Barrow, Alaska
Sound recording & analysis system for tracking bowhead whales

US Department of Agriculture
Acoustical monitor and automated recognition system for cattle

University of California Riverside
Ultrasonic auditory stimulus and neural response recording system for bats

Livescribe, Oakland, CA
Analyze & solve audio Q&A test & measurement failure at offshore manufacturing facility