Level 2, 129 Kilmore Street
PO Box 25 403, Christchurch
Email: office@aeservices.co.nz
Phone: 03 377 8952
Fax: 03 377 8601
www.aeservices.co.nz

acoustic
engineering services

the new option in acoustic consulting

Located in the centre of Christchurch, Acoustic Engineering Services (AES) offer a professional consulting service encompassing a wide range of projects and solutions. This service covers the acoustic aspects of building design, resource consent management and product development.

So, whether it is ensuring acoustic design parameters are met on a project or finding solutions to an existing environmental problem, whether it is noise from your neighbour or noise from your washing machine, lawnmower or powerboat, AES will be able to offer timely, knowledgeable advice, and work with you towards practical, cost-effective solutions.

building acoustics

We work with Architects, Project Managers and other Building Services Engineers to design buildings which provide a pleasant acoustic environment for end users and occupiers. This involves the prediction, quantification and control of airbourne noise, impact noise and noise from building services. We also offer acoustic advice regarding the design of specialist areas such as Theatres, Exhibition Halls and Arenas.

environmental acoustics

We work with District Councils, Planners, Developers and Designers to predict and control the propagation of noise outdoors. This work is often undertaken in relation to land use proposals, or to assess compliance with land use provisions. We use advanced computational modeling techniques to predict the propagation of noise over terrain and to design innovative solutions for the control of traffic and industrial noise. We can also offer assistance with the prediction, assessment and control of noise during construction.

acoustic research and development

We have the capability to assist with the acoustic development of new products or the improvement of existing products. Projects could range from machinery design, consideration of aero-acoustic noise, studies on automotive noise or noise in the marine environment. We can also assist in obtaining research and development funding to support innovative projects.

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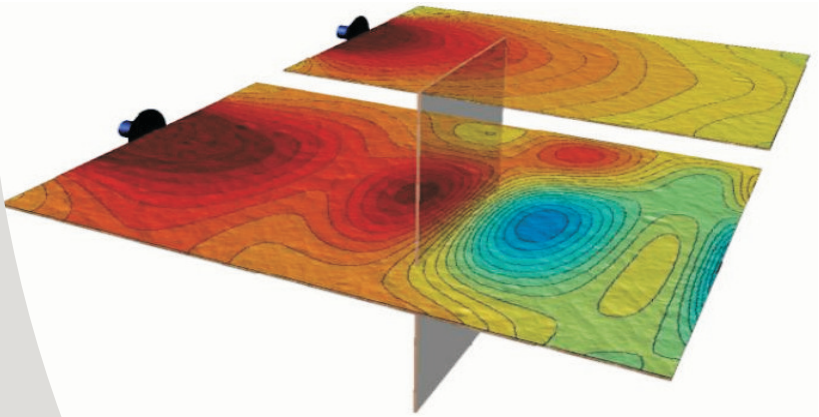
facilities and equipment

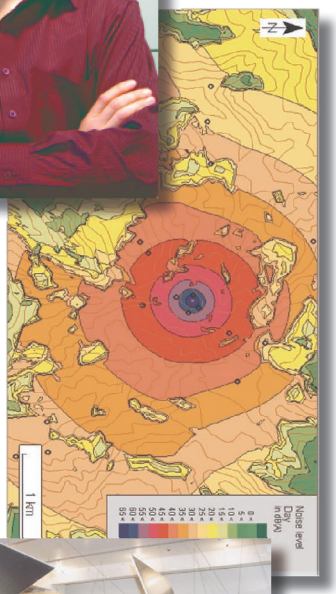
We can utilise a wide range of state-of-the-art acoustic facilities and equipment to assist with your project or problem. Equipment includes sound analysers, microphones, accelerometers, intensity systems, noise sources, impedance tubes, flow resistively apparatus, head and torso simulators, laser Doppler vibrometers and multi-channel data acquisition systems.

Facilities include a reverberation room, an anechoic room, a range of semi-anechoic chambers and a low-noise wind tunnel. Software capabilities include state-of-the-art computational boundary element / finite element structural and acoustic modeling, and outdoor acoustic modeling.

people

Managing Director Dr Jeremy Trevathan has worked in this field for over five years. Jeremy has a doctorate in acoustics, with a special interest in the transmission of sound through walls. Jeremy has experience working in a consulting capacity, completing projects from the fields of building, environmental, industrial, machinery, automotive and marine acoustics. Jeremy is an internationally published author, recognised for his work concerning the use of computational methods in acoustics and the transmission of sound in the built environment.





contact

Feel free to contact us to discuss how we may assist you.

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