

Acousti©ontrol

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CAPABILITY STATEMENT

ACOUSTIC CONSULTING SERVICES

2012

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1 BUSINESS DESCRIPTION

Acoustic Control is a Melbourne based consulting company specialising in acoustics, noise and vibration control.

The company operates on a consulting/contract basis and can provide services on a fixed fee or on an hourly rate basis.

Acoustic Control prides itself on providing reliable, professional and practical easy-to-understand advice. We work closely with each client to quickly identify the noise issues at hand and then develop practical, cost effective noise control measures to meet project objectives.

2 SERVICES OFFERED

Acoustic Control specialises in several acoustic areas. These include:

Noise Control in Commercial and Residential Buildings

Design of wall, floors and floor/ceilings in residential and commercial buildings to meet Building Code of Australia acoustic requirements. Review of mechanical services and plumbing noise, and advice on noise attenuation measures as required.

Office Acoustics

Design of office partitioning and ceiling requirements to meet specific office-to-office speech privacy levels.

Mechanical Plant Noise to Noise Sensitive Areas

Plant noise assessments in accordance with State Environment Protection Policy No. N-1 *Control of Noise from Commerce, Industry and Trade* (SEPP N-1). Typically a problem where commercial premises abut residential areas. Common problems include noise emissions from outdoor air conditioning units, exhaust fans and refrigeration equipment. Acoustic Control can provide a full measurement and assessment service, and provide recommendations for noise control.

Environmental Noise

Environmental noise impact assessments for existing or planned developments, industrial complexes and commercial premises.

Occupational Noise

Assessment of noise in the work place and identification of dominant noise sources. Advice on equipment noise reduction using engineering controls.

Music Noise

Music noise assessments in accordance with State environment protection policy No. N-2 *Control of Music Noise from Public Premises* (SEPP N-2). Investigation and identification of dominant noise breakout paths and areas where building upgrades can be applied to reduce noise emissions. Design of noise management plans to reduce noise levels to within SEPP N-2 requirements.

Reports for Town Planning Conditions and VCAT

Preparation of acoustic reports to address town planning conditions relating to the containment of noise sources within the development or protect residents from external noise sources such as busy roads, railway lines or industry.

Some of our other services include:

- Sound transmission and reverberation measurements.
- Aircraft and traffic noise assessments.
- Noise monitoring.
- Music studio and control room design.

3 RESUME – PRINCIPAL CONSULTANT

The Company's Principal Consultant, Darren Liu, has been consulting in the field of acoustics, noise and vibration control since 1994. He has established a well-regarded reputation amongst peer consulting firms and has worked with high profile companies such as Australand, SJB Architects, Bates Smart, Woods Bagot, Peddle Thorp Architects, The Gandel Group, MAB Corporation, The University of Melbourne, Kenworth Trucks, Spotles Group, Village Cinemas, United Energy and Esso.

Darren Liu is an active member of the Australian Acoustical Society. He not only strives to provide the highest level of service to his clients, but also shares a passion in the field of acoustics and continually conducts his own research and professional development to keep abreast of the latest practices.

Qualifications Bachelor of Mechanical Engineering with Honours.

Experience Consulting work in the field of acoustics since 1994. Experienced in architectural acoustics, environmental and entertainment noise control, noise and vibration from mechanical services, industrial noise control, field measurement of noise and vibration, recording studio design, traffic noise prediction, and expert witness before planning tribunals.

Previous consulting experience in Occupational hygiene and ergonomics and wind loading on building structures.

Some of the major projects previously worked on include:

ATO, Geelong – fitout of 2 levels, acoustic advice in relation to room-room noise reduction, mechanical services noise control.

Kenworth Trucks, Bayswater – Occupational noise assessment and development of occupational noise attenuation programme.

NBNCo fitout, Digital Harbour – fitout of 4 levels, acoustic advice in relation to room-room noise reduction, mechanical services noise control, plant building noise control.

99-101 Leveson Street, North Melbourne – Warehouse conversion to apartments, acoustic design of apartment walls and floors/ceiling, mechanical services noise control advice to meet BCA and EPA requirements.

18 Bent Street, Kensington – Warehouse conversion to apartments, acoustic design of apartment walls and floors/ceiling, mechanical services noise control advice to meet BCA and EPA requirements.

Professional Associations

Member of the Association of Professional Engineers, Scientists and Managers (APESMA), member of the Australian Acoustical Society (AAS).

4 MEASURING EQUIPMENT

Acoustic Control is equipped with a NATA certified, Type 1 Precision Sound Level meter (real time 1 octave and 1/3 octave band analysis).

5 HOURLY RATES

The principal consultant's hourly rate is \$200 plus 10% GST.

6 INSURANCE COVER

Acoustic Control has professional indemnity cover to \$10,000,000 in any one claim, and \$20,000,000 in the aggregate. Our policy is underwritten by Professional Risks Underwriting.

Acoustic Control also has public liability cover to \$10,000,000.