

Acousti©ontrol

Registered Office: 4 Hinton Road
Glen Huntly Victoria 3163
P.O. Box 192 Glen Huntly Victoria 3163
Telephone : **(03) 9571 4640**
Facsimile : **(03) 9505 7765**
Email : acoustic@acousticcontrol.com.au
www.acousticcontrol.com.au

CAPABILITY STATEMENT

ACOUSTIC CONSULTING SERVICES

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1 BUSINESS DESCRIPTION

Acoustic Control is a Melbourne based consulting firm specialising in providing reliable, professional advice on 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 a personal and satisfying service by working 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 offers reliable, professional advice in several acoustic areas. Some of these include:

Noise Control in 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 recommendation 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.

Cinema Design

Design of wall, floor, roof/ceiling and access doors to meet stringent cinema-to-cinema sound isolation requirements. Also advice on mechanical services and internal wall treatments to meet internal acoustic criteria.

Some of our other services include:

- Noise and vibration analysis.
- Sound transmission and reverberation measurements.
- Aircraft and traffic noise assessments.
- Acoustic reports for planning permits and VCAT.
- Noise monitoring.
- Music studio and control room design.

3 RESUME – PRINCIPAL CONSULTANT

The Company's Principal Consultant, Darren Liu, has had over 8 years consulting experience in acoustics, noise and vibration control. Formally an acoustic consultant of Watson Moss Growcott acoustics, Darren 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, Village Cinemas, BiLo Stores, 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 Eight years consulting work in the field of acoustics. 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 worked on include:

Freshwater Place North Residential Tower, South Bank – acoustic design of apartment walls and floors/ceiling, mechanical services noise control, retail tenancy noise control.

Melbourne University, University Square – acoustic design of office partitioning, office speech privacy control, mechanical services noise control, lecture theatre acoustics, noise and vibration measurements.

Esso, Longford – environmental noise measurement and assessment, noise modelling of new liquid gas flare.

ACI Glass, Spotswood – field noise measurement, assessment and noise modelling of glass manufacturing plant.

Applewood Retirement Village, Doncaster – architectural acoustics for 5 storey apartment building and 200 villa terrace units, traffic noise monitoring and design of noise wall.

Northcote, Kilmore, Bacchus Marsh, Rowville 24 hour Police Stations – architectural, mechanical services and environmental noise control.

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 \$130 (excluding GST).

6 INSURANCE COVER

Acoustic Control has professional indemnity cover to \$2,000,000 in any one claim, and \$4,000,000 in the aggregate. Our policy is underwritten by CGU Professional Risks Insurance (Vic) policy number 08CON0407406.

Acoustic Control also has public liability cover to \$5,000,000.