



DAY DESIGN PTY LTD

Consulting Acoustical Engineers

COMPANY PROFILE

"Good Acoustics By Design"

DAY DESIGN is a Quality Certified company providing quality acoustical advice to:

- Architects, Engineers, Builders and Solicitors
- Air Conditioning Suppliers
- City, Municipal and Shire Councils
- Clubs, Hotels and Restaurants
- Government Departments
- Hospitals and Aged Care
- Manufacturing Industry
- Road & Rail Construction Industries
- Schools, Offices and Public Buildings
- Sports Centres and Sports Promoters
- Water and Sewerage Treatment Plant



Day Design has provided professional acoustical advice to industry, commerce and the general community since 1982.

All of our engineers are professionally qualified and trained in sound measurement, analysis and control. We have amassed a wealth of theoretical and practical acoustics knowledge, which translates to proven and reliable acoustical advice to our clients.

Our motto is "**Good Acoustics by Design**". We find that our advanced scientific instrumentation and software plus early attention to acoustical design often results in significant acoustical cost savings for our clients.



The NSW Police Concert Band rehearsing in their acoustically modified Bandroom. Day Design took reverberation time measurements and designed sound diffusers and absorbers that were fixed to the ceiling and walls to reduce the 'booming' of the tubas. This solution also corrected the lack of ensemble in the room. Overall the Police Band were very pleased with the improved acoustics in their room.

ACOUSTICAL EXPERIENCE

Day Design staff has amassed a wealth of theoretical and practical knowledge over the last 25 years of practice in the field of Acoustics. All of our professional staff have engineering degrees and some have taken out post-graduate Masters degrees in acoustics.

The design of acoustical enclosures and silencers for various machines requires an understanding of general engineering and building construction. Our engineers are trained to design acoustic structures that are both practical and cost-effective with due consideration being given to maintenance access and the efficient functioning of machines and buildings.

EXPERIENCE & TECHNOLOGY

Accreditation

Day Design became a member of the Association of Australian Acoustical Consultants in 1987. Membership is subject to academic qualifications, acoustical experience and peer review. It is the principal accreditation for acoustical consultants in Australia.

Quality Assurance

Day Design was quality certified in 1997 and is currently certified by SGS International Certification Services Pty Ltd to conform to AS/NZS ISO 9001:2008.

Acoustical Instrumentation

Day Design Pty Ltd is equipped with a wide range of Brüel & Kjaer, CEL, Infobyte and other precision sound and vibration level meters, octave filters, third octave filters, narrow band filters, real time sound analysers, data loggers, weather logger, level recorders, tape recorders, statistical analysers, etc.

All our acoustic instruments comply with Australian Standards. Calibration tests are carried out annually or biennially as recommended by the Standards and are traceable to National Standards.

Computer Technology

All computers in our office are networked to meet quality control standards for the design database and computer software. The development of new software is subject to rigorous Quality Assurance procedures. Reports, drawings and data may also be output on CD or sent by e-mail.

Office

Our office is located to the South West of Sydney, central to a wide range of manufacturing and building industries. Our clients are always welcome to visit our office and discuss their acoustical problems in a friendly and responsive environment where on the spot calculations may be made and product samples examined with a view to finding the most cost-effective resolution.

Software

Computers with a wide range of acoustical software allow fast and accurate prediction of noise emission from factories, road traffic, aircraft and trains. Buildings are modelled to calculate noise intrusion into offices and residential buildings.

Computer programs are used for the selection of duct linings and silencers for air conditioning systems; sound absorptive linings for rooms to ensure suitable reverberation times; and building constructions to achieve suitable room to room sound isolation.

Noise propagation programs allow us to accurately predict industrial noise emission, traffic noise emission, selection of roadside sound barriers, etc. Computers are interfaced with the instrumentation for fast processing, analysis and graphing of sound and vibration measurements.

Insurance

Day Design Pty Ltd is covered by workers compensation, public liability, motor vehicle, instrumentation, general property and professional indemnity insurance.

Website

Our website, www.daydesign.com.au has a wide range of information about our company and services.



Occupational Noise Control

DAY DESIGN PTY LTD consulting acoustical engineers provide quality acoustical advice to architects, planners, engineers, managers, solicitors, insurance companies, councils, government and the general community. Our staff of professional engineers are ready to resolve your acoustical problems.



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