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# COMPANY PROFILE

***“Good Acoustics By Design”***

**Day Design Pty Ltd is a Quality Certified Company**

## **Acoustical Consultants to:**

Architects, Engineers and Builders  
Air Conditioning Suppliers  
Airports and Corporate Offices  
City, Municipal and Shire Councils  
Clubs, Hotels and Restaurants  
Government Departments  
Insurance Companies  
Land and Property Developers

Manufacturing Industry  
Mining & Quarrying Industries  
Power Generation Plant  
Road & Rail Construction Industries  
Schools, Hospitals and Public Buildings  
Ship Noise & Vibration Control  
Sports Centres and Sports Promoters  
Water and Sewerage Treatment Plant



• AIRCRAFT, ROAD TRAFFIC AND TRAIN NOISE CONTROL  
• ARCHITECTURAL ACOUSTICS • INDUSTRIAL NOISE AND VIBRATION CONTROL  
• ENVIRONMENTAL NOISE IMPACT INVESTIGATION AND CONTROL  
• OCCUPATIONAL NOISE INVESTIGATION • QUIET PRODUCT DEVELOPMENT



## COMPANY PROFILE

### Acoustical Experience

Day Design staff have amassed a wealth of theoretical and practical knowledge over the last 35 years of practice in the field of Acoustics. All of our acoustical engineers are professionally qualified and some have completed post-graduate Masters degrees in acoustics.

The measurement, assessment and control of sound requires a high level of mathematical competence. The use of computerised instrumentation and PC's simplifies our tasks, but a high level of technical competence in this specialised field of engineering is required.

The design of acoustical enclosures and silencers for various machines requires an understanding of general engineering and building construction. Our professional staff 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.

### 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.

### Acoustical Instrumentation

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

All our acoustic instrumentation complies with Australian Standards. Calibration tests are carried out annually or biennially as recommended by the Standards at a NATA accredited laboratory.

### Computer Technology

Our computers are networked to facilitate standardisation of 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 in both hard and soft copy.

Our website – [www.daydesign.com.au](http://www.daydesign.com.au) – contains a wealth of information about our company and the services we provide.

### Quality Assurance

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

### Software

Computers with a wide range of acoustical software allow fast and accurate prediction of noise emission from industry, road traffic, aircraft and rail. Buildings are modelled on computer to calculate noise intrusion into offices and residential buildings. Our software includes Microsoft Office Word, Excel, SoundPlan, CORTN and Insul.

Other programs are used for the selection of duct linings and silencers for air conditioning systems; sound absorbent 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, general property and professional indemnity insurance. Copies of our current insurance certificates are on our website.

### Office

Our head 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. On the spot calculations may be made and product samples examined with a view to finding the most cost-effective resolution.

