Lloyd George Acoustics
PO Box 717
Hillarys WA 6923
E: terry@lgacoustics.com.au W: www.lgacoustics.com.au

Terry George

Terry has over 15 years experience, practicing as an acoustical engineer in Western Australia. Terry has been involved in a wide range of acoustical issues and undertaken numerous projects where architectural acoustics were critical to the overall success of the project. Terry prides himself in providing the client with the information they require in a timely manner.

Lloyd George Acoustics is a member firm of the Association of Australian Acoustical Consultants (AAAC). The Association has developed a number of guideline documents and Terry was instrumental in putting together the June 2011 *Guideline for Commercial Building Acoustics*.

Qualifications

Terry's **qualifications** and **professional memberships** are:

- Bachelor of Engineering (Mechanical) degree with 1st Class Honours from the University of Western Australia (1996);
- Approved Noise Officer (No. 07030);
- Member of the Australian Acoustical Society (currently on committee of Western Australian Division); and
- Institute of Engineers Australia (No. 1406934).

Projects

Architectural projects have included:

- **Kununurra Court House** – The existing courthouse is to be replaced by a new $43m courthouse in the same location. Critical acoustic design areas are the magistrate's courtroom, jury courtroom and mediation room where consideration has been given to speech intelligibility as well as control of reflections and general reverberation control. Along with the main court areas, there are also office areas, prisoner in custody rooms, remote witness facilities, interview rooms and the like. General reverberation control in these areas was considered with speech privacy between spaces critical. Special consideration was also given to control of rain noise due to the heavy down pours that can occur in the region.

- **Alcoa Research & Development Facility, Kwinana** – The R&D building is to be a state of the art facility consisting of office areas, laboratories, auditorium and associated facilities. Speech privacy between spaces was analysed, along with reverberation control, open plan office design and auditoria acoustics. Due to the sensitive nature of some equipment, vibration isolation was also necessary. Impact of noise from nearby freight trains and a future road were also analysed to ensure a suitable internal acoustic amenity was achieved.

- **John Septimus Roe High School** – A new music facility was constructed and is now in use. Acoustic consideration was given to the internal acoustics but in particular to the acoustic separation between spaces as there were a number of small teaching rooms where unrelated classes would occur in close proximity. As well as a desire to not interfere with adjoining classrooms, design was undertaken to ensure nearby residences were unaffected by music noise.

- **Lot 412 Hay Street** – A multiple storey office development adjoining a major road so that the noise impact from the road traffic was a critical element to be considered. The building was assessed for Greenstar compliance so as well as road traffic noise, mechanical services noise was treated to satisfy the design goals.