



## SEBASTIAN GIGLIO

### ASSOCIATE

#### AREAS OF EXPERTISE

- Building & Architectural Acoustics, including residential, commercial and studios
- Environmental Noise, particularly road, railway and aircraft

#### QUALIFICATIONS

- Bachelor of Engineering (Mechanical) (Hons)

#### OH&S / SAFETY

- WorkCover NSW OH&S Construction White Card

#### AFFILIATIONS

- Graduate Member, Institute of Engineers Australia

#### EMPLOYMENT HISTORY

- 1990 – 1991 Project Engineer, Vipac Engineers & Scientists (Sydney & Adelaide)
- 1991 – 1993 Project Engineer, Renzo Tonin & Associates (Sydney)
- 1993 – 1996 Acoustical Engineer, Peter R Knowland & Associates (Sydney)
- 1996 – 2002 Senior Acoustician, PKA Acoustic Consulting (Sydney)
- 2002 – June 2007 Senior Engineer, Wilkinson Murray
- July 2007 – Present Associate, Wilkinson Murray

#### PROFILE

Sebastian has an Honours Degree in Mechanical Engineering from the University of Adelaide and is a member of the Institute of Engineers Australia. His main area of expertise is Building Acoustics but his 20 years of experience encompasses environmental, road traffic, industrial and occupational noise.

He joined Wilkinson Murray Pty Limited in 2002 as Senior Engineer. His Building Acoustics experience has been developed through involvement in projects such as the ANA Hotel, Intercontinental Hotel Redevelopment, Fiji Hilton, Seachange 5-Star Acoustical Apartments, Atlab THX Theatre, Sir Moses Montefiore Synagogue, Our Lady of Lebanon Church, auditoriums and lecture theatres, numerous multi-residential projects affected by transport noise (traffic, rail, aircraft), numerous field acoustic tests on walls and floors and design of Music Studios and recording facilities for schools and musicians.

He has also worked as the Principal Acoustical Consultant to several building material manufacturers over a number of years, including CSR Gyprock, CSR Hebel, CSR Bradford, PGH, Boral Masonry, James Hardie, Ultrafloor, Tontine Industries, and the Timber Development Association. Other projects include Parramatta to Chatswood Rail Link EIS Noise and Vibration Impact Assessments, SANIP (Sydney Schools Aircraft Noise Insulation Project), Acoustic barrier design for the M4 and M5, occupational noise studies, pub / club noise investigations and consulting on gymnasium fitouts in commercial buildings.

## BUILDING & ARCHITECTURAL

- Hayden Orpheum Cinemas, Cremorne
- Warriewood Cinemas (independent)
- Greater Union Cinemas, Liverpool
- Review of design for Reading Cinemas Dubbo; Hoyts Eastgardens; Hoyts Tea Tree Plaza; Greater Union Casuarina; Greater Union Megaplex Marion; Greater Union Megaplex Indooroopilly; Greater Union Megaplex Garden City
- Home Cinema designs
- Private music recording studio (INXS)
- ABC Film and Television, Gore Hill
- Channel 7 Sydney HD control and mixing studios
- Music practice rooms design for various schools
- Voice over booths for Zero-1-Zero and other studios
- Pier One Conference Room
- Dubbo Function Centre
- Our Lady of Lebanon Church
- Sir Moses Montefiore Synagogue
- UTS Lecture Theatre
- Cello Dining Rooms Castlereagh Inn
- Balmain Shores
- ANA Hotel refurbishment
- Intercontinental Hotel refurbishment
- Seachange Apartments, Queenscliff
- The Giorgio, Foster Street, Surry Hills
- 500 Crown Street, Surry Hills
- Montefiore Hunters Hill refurbishment
- Montefiore Randwick
- Gosford Hospital Redevelopment
- Liverpool Hospital
- Small Animal Hospital Upgrade, University of Sydney
- Annesley Bowral
- Batemans Bay retail / residential / retirement development
- CSR Gyprock, CSR Hebel, CSR Bradford, CSR PGH
- James Hardie
- Tontine Insulation
- Ultrafloor
- Boral Masonry (Clay and Concrete)
- Pioneer Plasterboard (Lafarge)
- Rintoul sound-rated doors, design and development (up to STC 51)

## MECHANICAL SERVICES NOISE

- Liverpool Hospital
- Manning Building, Leader Community Newspapers (major call centre building), and a large number of other office / commercial projects
- Condenser noise (outdoor), both residential and commercial
- Measurement and design of noise control treatment for a large number of residential outdoor condensers,
- Outdoor and indoor chillers, isolation and noise control
- Car park fans, acoustic design for several residential and commercial developments
- Cooling Towers, Darrell Lea, Kogarah Town Square and others
- Mechanical design for residences, multi-residential developments, studios
- Mechanical design to exclude noise intrusion from other sources, e.g. SANIP – Schools Aircraft Noise Insulation Project

## ENVIRONMENTAL, INCLUDING EIS

- M4 traffic noise monitoring and road barrier design
- M5 traffic noise monitoring and road barrier design
- M2 traffic noise monitoring and consulting to residences
- Parramatta Rail Link construction noise EIS
- Cowpasture Road widening, Edensor Park
- Harris Park Y-Link, construction and rail noise
- Caltex Truck Depot, Mulgrave
- Ausdoc distribution and warehouse facility
- Camden Recycling facility
- Outdoor concert noise at the SFS and SCG, noise monitoring and consulting
- ICI plant, Botany, noise measurement and modelling
- Road Traffic Noise Impact report, Third Runway EIS
- Various Nightclubs, pubs / hotels and discotheques
- Large number of large and small multi-residential projects involving rail noise and road traffic noise
- Several child care centres

## OTHER

- Floor impact noise, product development and consulting for the Timber Development Association (TDA) as well as various manufacturers
- CSR Rain Noise Test Facility, Wetherill Park (Development of, design and rain noise research)
- Auditorium acoustic design including Montefiore Synagogue, university lecture theatres, school halls
- Office fit-out design, including boardroom acoustics
- Investigation and resolution of poor speech privacy in a number of office fit-outs
- Large number of field tests of partition performance and floor impact noise to Australian, American and ISO Standards
- SANIP – Schools Aircraft Noise Insulation Project
- Reverberation control in many situations including restaurants, Warringah Aquatic Centre, workshops and boardrooms
- Acoustic design for a number of pubs and clubs
- Luxury residential projects such as Sher residence, Bellevue Hill and Hendler residence, Vaucluse
- Investigation of noise transfer complaints between apartments