

Residential Developments Experience

Michael Hayne – Director and Principal Acoustic Engineer

Michael's residential development experience ranges from noise impact assessments for all types of residential developments to architectural and building acoustics to satisfy Building Code of Australia (BCA) and acoustic quality requirements. Michael's noise impact assessments have necessitated the study of noise impacts including road traffic noise, rail noise, aircraft noise, busway noise, industrial noise, commercial noise, entertainment noise and the interaction between residential and non-residential components of mixed-use developments.

Michael has worked on several multi-storey residential projects located within the Special Entertainment Precinct in Fortitude Valley, acoustically designing the external facades to achieve a high level of low-frequency sound reduction. He has also worked on large mixed-use developments located near-to transport nodes such as Ormeau Town Centre and Stockland Toowong.

As Michael is a Registered Professional Engineer of Queensland (RPEQ), he can provide acoustic certification of façade treatments at practical completion as required by the Department of Transport and Main Roads as well as acoustic certifications of design (Form 15) and construction (Form 16) aspects of developments.

1. GREENFIELD SUBDIVISIONS

- Rail Noise Assessment, 21 Bartlett Street, Morningside
- Rail Noise Assessment, 23 and 25 Edward Street, Cooran
- Road and Rail Noise Assessment, Kinsellas Road, Mango Hill
- Traffic and Waste Landfill Noise Assessment, Kerr Road, Dakabin
- Traffic Noise Assessment, 1 Flinders Street, Peak Crossing
- Traffic Noise Assessment, 101 Millers Road, Kuraby
- Traffic Noise Assessment, 123 Market Street, Indooroopilly
- Traffic Noise Assessment, 157 Edmond Street, Marburg
- Traffic Noise Assessment, 18-20 Norman Street, Fig Tree Pocket
- Traffic Noise Assessment, 18-26 Blackwell Street, Hillcrest
- Traffic Noise Assessment, 198-204 Wellington Road, Kangaroo Point
- Traffic Noise Assessment, 202 Dowding Street, Oxley
- Traffic Noise Assessment, 248-272 Jones Road, Bellbird Park
- Traffic Noise Assessment, 29-41 Swanbank Road, Flinders View
- Traffic Noise Assessment, 298 Taylor Street, Toowoomba
- Traffic Noise Assessment, 33-37 Hardy Road, Wellington Point
- Traffic Noise Assessment, 39-42 Hardy Road, Wellington Point
- Traffic Noise Assessment, 44 Starkey Street, Wellington Point
- Traffic Noise Assessment, 64 Laver Street and Old Coach road, Morayfield
- Traffic Noise Assessment, 79 and 91 Green Camp Road, Wakerley
- Traffic Noise Assessment, 828 New Cleveland Road, Gumdale
- Traffic Noise Assessment, 9 Hemmo Street, Capalaba
- Traffic Noise Assessment, Anzac Avenue and Sawrey Street, Rothwell
- Traffic Noise Assessment, Anzac Avenue, Kallangur
- Traffic Noise Assessment, Captain Cook Highway, Palm Cove
- Traffic Noise Assessment, Kerr Road, Dakabin
- Traffic Noise Assessment, Kinsellas Road, Mango Hill
- Traffic Noise Assessment, Lot 1 Goodrich Road, Griffin

- Traffic Noise Assessment, Lot 5 Westwood Drive, Samford Valley
- Traffic Noise Assessment, Mangano's Subdivision, Captain Cook Highway, Smithfield
- Traffic Noise Assessment, Oakey Flat Road and Raynbirds Road, Narangba
- Traffic Noise Assessment, Oakey Flat Road and Young Road, Narangba
- Traffic Noise Assessment, Old Gympie Road, Kallangur
- Traffic Noise Assessment, Warrego Highway, Plainland

2. DUPLEX AND TOWNHOUSE DEVELOPMENTS

- Aircraft Noise Assessment and Design, 10 Brassey Street, Ascot
- Aircraft Noise Assessment and Design, 5 Biby Street, Tugan
- Aircraft Noise Assessment and Design, Park Hill Village Stage 3, Wyandra Crescent, Murrarie
- Noise Impact Assessment and Design, 124 Main Street, Westbrook
- Noise Impact Assessment and Design, 142 Dowding Street, Oxley
- Noise Impact Assessment and Design, 148 Beenleigh Road, Sunnybank
- Noise Impact Assessment and Design, 98-100 Main Street, Westbrook
- Noise Impact Assessment and Design, MacArthur Gardens North, Campbelltown
- Noise Impact Assessment, 108 Jutland Street, Oxley
- Noise Impact Assessment, 130 Jutland Street, Oxley
- Noise Impact Assessment, 90 Jutland Street, Oxley
- Road and Rail Noise Assessment and Design, Brays Road, Murrumba Downs
- Road and Rail Noise Assessment and Design, Lot 4 Freshwater Creek Road, Mango Hill
- Sound Reduction Testing, Sunland Development, Azzura Island, Varsity Lakes
- Traffic Noise Assessment and Design, 104 Finucane Road, Alexandra Hills
- Traffic Noise Assessment and Design, 15 McDonald Road, Wellington Point
- Traffic Noise Assessment and Design, 19 Russell Street, Everton Park
- Traffic Noise Assessment and Design, 212-214 Stafford Road, Stafford
- Traffic Noise Assessment and Design, 218-220 Stafford Road, Stafford
- Traffic Noise Assessment and Design, 2265 Beaudesert Road, Calamvale
- Traffic Noise Assessment and Design, 2309 Beaudesert Road, Calamvale
- Traffic Noise Assessment and Design, 25 Oliver Street, Nundah
- Traffic Noise Assessment and Design, 25-27 Haig Street, Gordon Park
- Traffic Noise Assessment and Design, 45-59 Goodfellows Road, Kallangur
- Traffic Noise Assessment and Design, 9 Hemmo Street, Capalaba
- Traffic Noise Assessment and Design, cnr Sparkes Road and Clifford Street, Bray Park
- Traffic Noise Assessment and Design, Goodrich Road, Griffin
- Traffic Noise Assessment and Design, Lot 7 Dodson Court, Toowoomba

3. UNIT BLOCK DEVELOPMENTS

- Architectural and Building Acoustics, 182 Stratten Terrace, Manly
- Noise Impact Assessment and Architectural and Building Acoustics, Apartments on the Bay, Welsby Parade, Bribie island (4974)
- Noise Impact Study, 24 Moorak Street, Taringa
- Noise Impact Study, 6 Victoria Street, Kelvin Grove
- Noise Impact Study, Seniors Housing Demonstration Project, cnr Boundary Road and MacGroarty Street, Coopers Plains
- Preliminary Traffic Noise Assessment, 663 Albany Creek Road, Albany Creek
- Rail Noise Assessment and Design, 97-109 Railway Avenue, Townsville
- Rail Noise Assessment and Design, cnr Whitmore and Alpha Streets, Taringa
- Road, Rail and Aircraft Noise Assessment and Design, 12 Mordant Street, Ascot (4992)
- Sound Reduction Testing, 77-82 Petrie Crescent, Aspley
- Sound Reduction Testing, 90-92 Thorn Street, Ipswich

- Sound Reduction Testing, Kinya Court, Burleigh Heads
- Traffic Noise Assessment and Design, 111 Birkdale Road, Birkdale
- Traffic Noise Assessment and Design, 161 Junction Road, Clayfield
- Traffic Noise Assessment and Design, 198-204 Wellington road, East Brisbane
- Traffic Noise Assessment and Design, 28-32 Vine Street, Clayfield
- Traffic Noise Assessment and Design, 491 Tor Street, Toowoomba
- Traffic Noise Assessment and Design, cnr King Street and Oak Avenue, Warwick

4. MIXED-USE AND MULTI-STOREY RESIDENTIAL

- Acoustic Design Brief, 80-86 Oxlade Drive, New Farm
- Acoustic Design of External Facades, 186 Wickham Street, Fortitude Valley
- Architectural and Building Acoustics, Avalon Residential Tower, Wairoonga Place, Surfers Paradise
- Architectural and Building Acoustics, Quattro on Astor, 107-109 Astor Terrace, Spring Hill
- Noise Impact Assessment and Architectural and Building Acoustics, Karmasea apartments, cnr Wirraway street and Okinja Road, Alexandra Headland
- Noise Impact Assessment and Architectural and Building Services, Stockland Toowong, cnr High and Jephson Streets, Toowong
- Noise Impact assessment and Design to Control Rail Noise Intrusion, 452 Upper Roma Street, Brisbane
- Noise Impact Assessment, 16-20 Blackwood Street, Mitchelton
- Noise Impact Assessment, 1661 Beaudesert Road, Acacia Ridge
- Noise Impact Assessment, 92-96 Illaweenah Street, Drewvale
- Noise Impact Assessment, Acoustic Design of External Facades and Building and Architectural Acoustics, Utopia, 275-289 Wickham street, Fortitude Valley
- Noise Impact Assessment, Acoustic Design of External Facades and Building and Architectural Acoustics, Site 36, Rouse Hill Town Centre, Rouse Hill
- Noise Impact Assessment, Acoustic Design of External Facades and Building and Architectural Acoustics, Site 37, Rouse Hill Town Centre, Rouse Hill
- Noise Impact Assessment, Acoustic Design of External Facades, 210 Brunswick Street, Fortitude Valley
- Noise Impact Assessment, Belise Apartments, 510 St Paul's Terrace, Fortitude Valley
- Noise Impact Assessment, Lots 1A and 1B Boggo Road, Dutton Park
- Noise Impact Assessment, New England Highway, Highfields
- Noise Impact Assessment, North Ormeau Town Centre, Eggersdorf Road, Ormeau
- Noise Impact Assessment, Warrego Highway, Chinchilla