

### Qualifications

- Bachelor of Mechanical Engineering with Honours – University of Canterbury (2001)

### Industry Involvement

- President and Officer of The Acoustical Society of New Zealand Incorporated
- Member of The Acoustical Society of New Zealand (MASNZ)
- NZ Site Safe Consultants Passport
- Ministry of Education Design Review Panel - IEQ Specialist

### Company Membership

- Association of Australasian Acoustical Consultants (AAAC)
- Association of Consulting and Engineering New Zealand (ACE New Zealand)
- New Zealand Green Building Council (NZGBC)

Associate Principal Acoustic Engineer and Executive Director Tracy Hilliker has over 17 years' professional experience working in the field of acoustics. Previously she worked as a Mechanical and Hydraulics Engineer within the building services sector for over four years. Joining AES back in 2007, Tracy has worked on a multitude of complex projects, and offers extensive experience and skills in areas such as building acoustics, building services noise review, environmental noise assessment, noise monitoring and verification testing within New Zealand for both the public and private sectors.



As a consultant, Tracy has sound knowledge of the requirements of the New Zealand Building Code, associated Standards and Guidance, and has successfully contributed to a wide range of building projects including the acoustic design of schools, sporting facilities, performance spaces, hospitals including mental health facilities, hotels and mixed-use commercial developments. Throughout her career, she has also undertaken environmental noise assessments for a variety of activities including quarries, live bands, churches, factories and construction noise. She has a particular interest in building acoustics, and specialises in healthcare, education and community facility design, mechanical plant noise analysis and remediation, and NZGBC Green Star review.

Tracy, as a full Member of The Acoustical Society of New Zealand Incorporated, is an active participant in the development of the profession, currently as President and Officer for the Society.

## Key Strengths

- Excellent communication skills, collaboration and coordination with team members and key stakeholders.
- Local knowledge and understanding in operating within a post-earthquake and post-pandemic environment.
- Comprehensive understanding of all aspects of project development from initial client briefing, master planning, consenting, through staged building design and construction, value engineering, Safety in Design, verification testing and post-occupancy evaluation.
- Extensive experience with Ministry of Education DSNZ suite and DQLS – Acoustics guidelines, amendments, and specific application to innovative 21<sup>st</sup> century quality (VfM) learning environments.
- Familiarity of relevant NZ District Plan and Building Consent noise related parameters including NZBC Clause G06, zone noise rules, construction noise and sound insulation requirements.

## Prior Work Experience

- Cosgroves Ltd, Cosgroves Major (2003 – 2007)  
*Mechanical and Hydraulics Services Engineer*
- Energy Products International (2001 – 2003)  
*Sales Engineer - Building Services sector*

## Project Experience

- Hagley Oval / Canterbury Cricket, Christchurch
- Hanmer Springs Thermal Pools and Spa Extension, Hanmer
- Te Hononga Civic Offices, Christchurch City Council, Christchurch
- Air New Zealand Regional Lounge, Domestic Terminal, Christchurch International Airport
- The Arts Centre of Christchurch Restoration project
- Rutherford Regional Science and Innovation Centre, University of Canterbury
- Rangī Ruru Girls' School – Project Blue Sky, site wide redevelopment, Christchurch
- Ao Tawhiti Unlimited Discovery School, Christchurch
- Te Ara Ātea, Selwyn Library, Rolleston Town Centre
- Hillmorton Hospital Specialist Mental Health Services site redevelopment projects
- Lincoln University Science North, Canterbury
- ILT Langland's Hotel, Invercargill