

Qualifications

- Bachelor of Mechanical Engineering with Honours (2016)
- Master of Mechanical Engineering (2018)

Affiliations

- Associate of the Acoustical Society of New Zealand (ASNZ)
- NZ Site Safe Consultant's Passport

Jonathan completed his undergraduate study at the University of Auckland, considering the performance of vertical axis wind turbines, to lay the foundations for research on the acoustics of vertical axis wind turbines. From there he moved to Kyushu University in Japan, where he studied the attenuation of noise travelling past droplets suspended in a gas.

Jonathan worked for three years overseas in research and development. His experience from his work overseas includes the mitigation of fan noise and water droplet noise.

Since Jonathan joined the AES team in 2022, he has gained experience from a number of building and environmental acoustics projects, including assessments of compliance with noise rules, and providing advice to mitigate noise emissions.

Jonathan has been trained in the use of industry standard modelling and analytical software, and also has experience in the field with noise measurements and verification testing of buildings.



Recent projects - Building

- New Dunedin Hospital – review of mechanical noise
- Kainga Ora William Blofield development – G6 review
- Ryman Healthcare (various developments) – G6 review and verification testing
- Fletcher Living (various developments) – G6 review and verification testing
- Onslow College – internal acoustics review
- Hagley College whare – internal acoustics review
- Environment Canterbury Depot – internal acoustics review
- Tai Tapu community centre – internal acoustics review
- Waimate District Council offices and library – internal acoustics review

Recent projects - Environmental

- St Davids Church Hall, Leeston – Noise emission assessment
- Cornerstone Church Rolleston – Noise emission assessment
- Tāwhaki – mitigation of operational noise for compliance with noise limits
- Nelson Pistol Club – noise mitigation analysis and management plan
- New Plymouth Pistol Club – noise mitigation
- NZTA Waka Kotahi – assessment of traffic noise mitigation upgrade costs

Recent projects - Construction

- Lincoln University – Burns Building demolition noise management plan
- MacMurray Road development – construction noise and vibration management plan