

13 December 2023

The Planning Secretary
Department of Planning and Environment
4 Parramatta Square, 12 Darcy Street
PARRAMATTA NSW 2124

Attn: Ms Sheelagh Laguna
Via email sheelagh.laguna@planning.nsw.gov.au

Dear Ms Laguna,

We refer to the recent determination of SSD-10396 on 8 November 2023 and are writing to request the Planning Secretary's endorsement of the following nominated persons for appointment to the development project at Sell and Parker (S&P) Kings Park Metal Recycling Facility at 23 - 45 Tattersalls Road, Kings Park (Site), which is required pursuant to the Condition set out below.

For clarity, we are seeking that all of the nominated persons be endorsed/approved by the Planning Secretary, so that any may be used.

We are not aware of any conflicts of interest.

NOMINATED PERSONS

Condition	Description of item for the Satisfaction of the Planning Secretary	Requirement of nominated person(s)	Person(s)	CV(s)
C15(a)	Prepare an Operational Noise Management Plan (ONMP)	Suitably qualified and experienced person(s) whose appointment has been endorsed by the Planning Secretary	Mr Renzo Tonin, Mr Peter Karantonis, and Mr William Chan of Renzo Tonin and Associates	Attachment 1

We look forward to your earliest response and approval as requested above

Yours faithfully,



Neil Sher

Group General Counsel

Phone: +61 2 9695 6846

Mobile: +61 405 828 772

Email: neils@sellparker.com.au

PROUDLY SUPPORTING

ATTACHMENT 1



Curriculum Vitae

Renzo Tonin

Consultant

Qualifications

- Ph.D. (Mech Eng), B.Sc (Hons.) University of Adelaide

Accreditations

- Fellow Australian Acoustical Society FAAS
- Hon member AAAC
- Fellow Engineers Australia FIEAust
- CPEng
- NER
- APEC Engineer
- intPE(Aus)
- Member Acoustical Society of America
- NATA Accredited Signatory (retired)

Appointments

- Honorary Affiliate and Member - Woolcock Institute of Medical Research Limited
- Standards Australia committee member
 - AV-001-01 "Noise",
 - AV-001-02 "Building Acoustics", and
 - AV-001-04 "Human Exposure to Mechanical Shock"

Awards

- Australian Acoustical Society Award for Excellence in Acoustics 1988 . "New Studios for Radio 2EA"
- Australian Acoustical Society Award for Excellence in Acoustics 1992. "Victoria Barracks 2nd Military District Band Practice Facility"

Key Skills and Competencies

Dr Tonin's belief that high technology acoustics and dynamics engineering should form part of every day

consulting has found acceptance with many clients. This is reflected in a strong company growth rate from private practice in November 1982 to one of the largest consulting companies specialising in acoustics engineering today.

His sponsored studies encompass such diverse activities as radio and TV studios, commercial buildings, ships, motor vehicles, trains, industrial complexes, power stations, product development, material handling plant, machine health monitoring, coal washeries, public buildings and auditoria.

His special interest is in the use of computer technology to solve problems in the fields of acoustics and dynamics.

He is a contributing author to the book "Environmental Modeling" which is a publication designed to bring together current expertise on modeling of the environment using computer based techniques.

His doctoral thesis addressed the use of laser 3D holography for the study of vibration. A distinguished international journal honored his work in this field by presenting one of his papers as a featured article.

His sponsored studies include the following; Industrial noise, construction noise & vibration, occupational noise, structural vibration, acoustic research & development, architectural acoustics, building mechanical services and expert representation in legal cases.

Relevant Experience

ROADS AND MOTORWAYS

M5 and M5 East EIS, M4 motorway, Silverwater Road Extension, Princes Highway - Oak Flats to Dunmore EIS, Tomerong Bypass EIS, F2 Castlereagh Freeway, Phillip Parkway EIS, Liverpool to Hornsby Highway Strategy Study, Elizabeth Drive Upgrade, Western Sydney Orbital and Badgery's Creek Highway, M2 Motorway Noise Barriers, Albury Wodonga National Highway, M4 Western Motorway Via-Duct, Church Street to James Ruse Drive, Granville.

RAIL INFRASTRUCTURE

Epping to Chatswood Rail Line (ECRL); Very Fast Train (VFT); Perisher SkiTube; Tangara double-deck train acoustics; assessment and design of noise and vibration isolation systems of multiple suburban and inner city residential and commercial developments alongside or above railway lines and railway tunnels.

SWRL Glenfield to Leppington Rail Line, GLRL (D&C); Epping to Chatswood Rail Line, ECRL (Design Review); Very Fast Train (VFT); Perisher SkiTube;

RAIL CORRIDOR DEVELOPMENTS

Assessment and design of multiple suburban and inner city residential and commercial developments alongside or above railway lines and railway tunnels

RAIL ROLLING STOCK

Tangara double-deck train acoustics.

PUBLIC HEARINGS AND INQUIRIES

Possum Brush Quarry Inquiry, Mt Arthur South Inquiry, Rix's Creek Inquiry, F2 Castlereagh Freeway Inquiry, Bulga Mine Inquiry, Mt Flora Quarry Hearing, Cleary Bros Sand Mine Hearing.

WIND FARMS

Taralga Wind Farm NSW, Toora Wind Farm VIC, Winchelsea Wind Farm VIC, Glen Innes Wind Farm NSW, Gullen Range Wind Farm NSW, Cullerin Range Wind Farm NSW, Capital Wind Farm NSW, Woodlawn Wind Farm NSW, Crudine Ridge Wind Farm NSW.

GOVERNMENT BUILDINGS

Sydney Entertainment Centre sound reinforcement system, the Glebe Remand Centre floating floor project, Applied Arts & Sciences Stage II expansion, Geological & Mining Museum, the Mint and Barracks building refurbishment, Sydney Football Stadium and the Darling Harbour Development.

HOTELS

Observatory Hotel, Sydney Hilton, Sydney Regent, Ritz/Carlton, Sheraton Hyde park, Country Comfort Central, World Square, Hyde Park Plaza, Sheraton Hobart, Campbell St Hotel, Novotel Darling Harbour, Bullecourt place, La Galleria Kings Cross, Bayswater Hotel, Park Hyatt, Parramatta Hotel, Sheraton Airport Central, Chatswood Connection.

COMMERCIAL TOWERS

QV1 development Perth, Robt Jones Tower Auckland NZ, 135 King St, Australia Square refurbishment, Landmark, 545 Kent St, Metroplaza North Sydney, Airport Central Commercial, Chatswood Connection, Chatswood Interchange, 45 Clarence St.

APARTMENT/RESIDENTIAL

Raleigh Park, Quay West, Frenchs Forest, Port Jackson Tower, HighGate Kent St, Northborne Ave Canberra, Crown Street Apartments, Crown Gardens, Villa Development, 19-21 George St North Strathfield, Mark Foy's Warehouse Apartments, Frenchs Forest Medium Density, Linda St Hornsby, Camden Retirement Village,

The Elan, 37 Glen St Milsons Point, Hawthornden Estate, Rockwall Apartments, Pavilion On The Harbour.

SOUND SYSTEM DESIGN

Sydney Entertainment Centre, Darling Harbour Convention Centre and Exhibition Halls, Darling Harbour Park Sound System, Baulkham Hills Entertainment Centre, Sydney Sports Stadium, Hallstrom Park Sports Complex, Homebush Sports Centre, NSW.

ROTATING MACHINERY VIBRATION

Electricity Commission of NSW - Liddell Generating Station: Unit 2 multi-plane balance, Electricity Generating Authority - Investigation of high vibration levels of both Boiler Feed Pump and Turbine, Electricity Generating Authority - Investigation of cause of shaft bow and severe bearing damage in vertical cooling water pumps, ICI Olefines Plant – Sydney, APCL - Kandos NSW, CIG, Shell Clyde Refinery, Alcan Kurri Kurri, Water Board.

STRUCTURAL DYNAMICS

Munmorah Power Station – High density modal analysis of generator casing to locate source of excessive high frequency casing vibration, Hail Creek Coal Preparation Plant – FEA analysis of structural vibration in 7 storey industrial structure with respect to human vibration exposure and structural damage criteria, Vales Point Generating Station: Unit 3 fatigue investigation, Snowy Mountains Hydro-Electric Authority - Murray 2 Power Station - Pipeline vibration investigation, Electricity Generating Authority – Condenser tube vibration analysis, Electricity Generating Authority – Boiler feed pump booster low frequency vibration analysis, Gas Supply Authority – Pipework vibration analysis

Professional History

- 2016 - Consultant, Renzo Tonin & Associates (NSW) Pty Ltd
- 1982-2016 - Director and Principal, Renzo Tonin & Associates Pty Ltd
- 1979-1982 - Associate Director and Sydney Office Manager, Vipac & Partners Pty Ltd
- 1976-1978 - Post graduate studies, University of Adelaide Mechanical Engineering Department

Books

- Environmental Modeling - Vol 1. Chapter 7. Environmental Noise Modeling. P Zannetti ed. Computational Mechanics Publications. 1993.

Publications

- Time-Averaged Holography For The Study of Three-Dimensional Vibrations. Journal of Sound and Vibration (1977) 52 (3), 315-323.
- General Theory of Time-Averaged Holography for the Study of Three-Dimensional Vibrations at a Single Frequency. Journal of the Optical Society of America (1978) 68 (7), 924-931.

- Analysis of 3-D Vibrations from Time-Averaged Holograms. *Applied Optics* (1978) 17 (23), 3713-3721. (Featured Article).
- Free Vibration of Circular Cylinders of Variable Thickness. *Journal of Sound and Vibration* (1979) 62 (2), 165-180.
- Determination of Ambient Noise Levels in the Presence of a Disturbing Noise Source Using a Directional Microphone. 10th International Congress on Acoustics (1980).
- Acoustic Requirements to Curb Rain Noise from Metal Deck Roofs. *Bulletin Acoustics Australia* (1985) 13 (1), 16.
- Estimating Noise Levels from Petrochemical Plants, Mines and Industrial Complexes. *Acoustics Australia* (1985) 13 (2), 59-67.
- Application of Modelling Techniques to Resolving a Dynamics Problem in a Building Structure. The First Australasian MSC Users Conference, June 1987.
- Vibration Isolation of Impacts in High-Rise Structures. The Second Australasian MSC Users Conference, Nov 1988.
- Future Noise and Vibration Control Methods for Building Services. 2nd CIBSE Australian Conference, Nov 26-28, 1991.
- Acoustic and Vibration Insulation in Buildings. Building Science Forum of Australia Seminar. 'Insulation, Thermal, Acoustic'. Aug 25, 1993.
- ENM Windows - Environmental Noise Model. Euro-noise '95 Software for Noise Control Conference. Lyon, France 21-23 March 1995.
- Modelling Virtual Noise for the Real Environment. *Noise & Vibration Worldwide*. June 1995. pp 10-12.
- A Method of Strategic Traffic Noise Impact Analysis. *Proceedings of Internoise 96*, August 1996, Liverpool UK, pp 2395-2400.
- ENM Windows – Environmental Noise Model. Air & Waste Management Association's 90th Annual Meeting & Exhibition, Toronto, Ontario, Canada, 1997.
- Validation of Environmental Noise Model (ENM Windows). *Acoustics Australia Vol 25* (1997) No 2 pp 75-79.
- Acoustical Research in Australia. *Acoustics Australia Vol 25* (1997) No 2 pp 49-63 (contributing editor).
- Heavy Vehicle Noise Reduction Study. Fifth International Congress on Sound and Vibration, Adelaide, South Australia, Dec, 1997, P Karantonis, N Ishac and R Tonin.
- Comparison of Occupational Noise Exposure Results Acquired from an In-Ear Probe Tube and an Artificial Ear, for Users of Tele-Communication Headsets. Seventh International Congress on Noise as Public Health Problem, 'Noise Effects '98', Sydney, NSW, November 1998, P Karantonis and R Tonin.
- Occupational Noise Management - Educating the Workforce. Australian Acoustical Society Conference Nov 1999. Pages 71-88. N Koolik, D Eager, R Tonin
- Sensitivity of Frequency Response to Type of Tubing, 11 AWES Workshop, Darwin 2004, A.W.Rofail, R.Tonin and D.Hanafi
- The BCA 2004 – A Plan For The Future. (Invited Paper) Australian Acoustical Society, Acoustics 2004 Proceedings, November 2004.
- What is offensive noise? A case study in NSW. *Acoustics Australia* 38(1) 2010
- Offensive Noise in Planning & Enforcement: Is there a Difference? *Environmental Law News* (55) 2010
- Sources of Wind Turbine Noise and Sound Propagation. *Acoustics Australia* 40(1) 2012
- RONDA - CPX Trailer Initial Test Results. R Tonin, A Szabo. *Inter-noise 2014 Melbourne Australia*
- Response to Simulated Wind Farm Infrasound Including Effect of Expectation. Renzo Tonin and James Brett. *Wind Industry Forum* 2015.
- Response to Simulated Wind Farm Infrasound Including Effect of Expectation. Renzo Tonin and James Brett. Sixth International Meeting on Wind Turbine Noise Glasgow, Scotland, 20th – 23rd April 2015.
- RONDA open frame CPX trailer - results of first trials. R Tonin, M Chung, M Gange. *Inter-noise 2015 San Francisco USA*
- The effect of infrasound and negative expectations to adverse pathological symptoms from wind farms. Renzo Tonin, James Brett and Ben Colagiuri. *Journal of Low Frequency Noise, Vibration and Active Control* 2016. Vol 35(1) 77-90
- RONDA open frame CPX trailer - Certification in accordance with ISO/CD 11819-2. Renzo Tonin, Dominic Chan, Geoffrey Huang. *Internoise 2016 Hamburg* 4985-4996
- Quiet Road Pavements: Design and Measurement - State of the Art. Renzo Tonin. *Acoustics Australia* (2016) 44: 235-247
- Comparison of CPX and OBSI noise measurements for different road surfaces. R Tonin, T. Saurer. *Internoise 2017, Hong Kong*
- A Review of Wind Turbine-Generated Infrasound: Source, Measurement and Effect on Health. R Tonin. *Acoustics Australia* (2018) 46: 69-86
- The Health Effects of 72 Hours of Simulated Wind Turbine Infrasound: A Double-Blind Randomized Crossover Study in Noise-Sensitive, Healthy Adults. N S Marshall et al. *Environmental Health Perspectives* 13(3) March 2023



Curriculum Vitae

Peter Karantonis

Director | Principal

MEngSc (Acoustics), BE (Mech), MIEAust, CPEng, RPEQ, NER, APEC Engineer, IntPE(Aus), MAAS

Qualifications

- Masters in Engineering Science (Acoustics), UNSW (2010)
- Bachelor of Engineering (Mechanical), UTS (1988)
- Project Management (Engineering), UNSW (2010)
- Machine Vibration Diagnostics Course, 1993 - Bentley Nevada
- NSW EPA Industrial Noise Policy Training Course, 2000 - NSW EPA
- Environmental Expert Training Course, 2008 - The Environment Institute of Australia & New Zealand
- Member of Engineers Australia (MIEAust)
- Chartered Professional Engineer (CPEng)
- Registered Professional Engineer Queensland (RPEQ)
- National Engineering Register (NER)
- Asia Pacific Economic Co-operation Engineering (APEC) Engineer Register
- IntPE(Aus) Register
- Member of the Australian Acoustical Society (MAAS)

Key Skills and Competencies

Peter Karantonis is a Director of Renzo Tonin & Associates and is a professional engineer with over 35 years of experience in acoustic consulting.

Peter achieved his Bachelor of Mechanical Engineering in 1988 from University of Technology, Sydney and his Masters in Engineering Science (Acoustics) in 2010 from the University of New South Wales. Peter has also completed a Project Management course at UNSW in 2010.

Peter has guest lectured final year engineering and masters students at the University of NSW and Sydney University and has taught short courses on acoustics to TAFE students and industry. He has also lectured acoustics part-time to architectural degree students at the Oceanic Polytechnic Institute of Education, Melbourne. Peter was also a design mentor in the Professional Experience Program at the School of Design Studies at University of NSW in 2003-4.

Peter's fields of special competence include environmental impact assessments, large infrastructure projects, transportation noise (road, rail and aircraft),

industrial noise, construction noise & vibration, occupational noise, structural vibration, acoustic research & development, architectural acoustics, building mechanical services and expert representation in legal cases.

Relevant Experience

Road Noise & Vibration

Pacific Hwy Upgrades – Coffs Harbour Bypass (peer review & tender design); Warrel Creek to Urunga (Concept Review); Tintenbar to Ewingsdale (Concept & Design Review); Banora Point Upgrade (Alliance); Brunswick Heads to Yelgun (D&C)

Hume Highway Upgrades - Albury-Wodonga National Highway (D&C); Hume Hwy Southern Alliance (Alliance)

Princes Highway Upgrades – Gerringong (Tender Design); Oak Flats to Dunmore (EIS)

Great Western Highway Upgrades – Wentworth Falls

Other Regional NSW Projects - Hunter Expressway (D&C); Central Coast Hwy HW30 Upgrade (Design)

Sydney Projects - M6 Stage 1 Motorway (D&C); WestConnex Stage 3B Rozelle Interchange (D&C); WestConnex Stage 2 M8 (D&C); WestConnex Stage 1B M4 East (D&C); WestConnex M4-M5 Link (Stage 3A) Tender Design; Lane Cove Tunnel Project (Design); Cross-City Tunnel Ventilation (D&C); M7/Western Sydney Orbital WSO (EIS & Design Review); M5 East (EIS); Elizabeth Drive Upgrade (EIS); Silverwater Road (Design); M2 Motorway (Design Review); M4 Viaduct Upgrade - Church St to James Ruse Drive (Design); M4 widening - Mays Hill to Service Centres (Design); Horsley Drive and Cowpasture Road, Wetherill Park (REF); Marrickville Area Traffic Noise & Vibration (Study)

Victorian Projects - Mitcham-Frankston Motorway (Tender Design Review); Cobram (Vic) / Barooga (NSW) Bridge Replacement (EIS); M1 Southern Link Upgrade - DCVE Review of Traffic Noise Impacts; Swan Hill Bridge Planning Study; Echuca-Moama Bridge Planning Study; Deer Park By-Pass; Northern Hwy - Hume Hwy To Kilmore

Planning Study; Findon Road Extension Planning Study – Stage 2 Route Option Study and Stage 3 Study

Queensland Projects – Airport Link & Northern Busway (Tender Design)

Rail Noise & Vibration

Rail Infrastructure – Cross-River Rail, Brisbane; Sydney Metro Western Sydney Airport (Tender Design); Sydney Metro City and Southwest – Tunnel & Station Excavation (TSE); Sydney Metro City & Southwest – Linewide (Chatswood to Sydenham); Sydney Metro North West – TSC; Sydney Metro North West Rail Link (NWRL) – OTS with Northwest Rapid Transit; South-West Rail Link, SWRL Glenfield to Leppington Rail Line, GLRL (D&C); Southern Sydney Freight Line ONVMP Peer Review; Sydney's CBD Metro (Tender Design); Epping to Chatswood Rail Line, ECRL (Compliance Review); Parramatta Rail Link (Design Review); Queensland Rail, North Coast Line in Cairns (Modelling & Assessment); BHP, Newcastle Multi-Purpose Terminal Rail Line (Concept & Design).

Rail Stabling Yards – Marrickville Stabling Facility; Marrickville Stabling Facility; Sydney Metro Trains Facility (SMTF) North; New Intercity Fleet Maintenance Facility – Kangy Angy; Leppington Stabling Yard; Rail Clearways Program – Macdonaldtown Stabling Yard (Design); Eveleigh Stabling Yard (Design); Enfield Intermodal Logistics Centre EIS.

Rail Corridor Developments – Leeder Ave, Penshurst noise/vibration investigation (Investigation & Advice); Theatre Royal train track and building isolation (Investigation & Advice); Assessment and design of multiple suburban and inner-city residential developments alongside railway lines.

Rail Rolling Stock – Waratah, A-Sets (D&C); Outer Suburban Car, OSCar (D&C); Millennium, M-Sets (D&C); Tangara (Testing).

Aircraft Noise

Sydney Airport's new Ground Running Noise Management Plan; Canberra International Airport ANEF 2050 map review; Sydney's Second Airport EIS Auditor; Alice Springs Airport Terminal; Ansett Stage 6 Sydney Airport Terminal; multiple residential developments from KSA and Bankstown Airport noise.

Industrial Noise

Moorebank Intermodal Facility; multiple Woolworths industrial warehouse & distribution facilities; multiple Coles industrial warehouse & distribution facilities; Linfox Truck Depot & Storage Facilities, Homebush; ICI, Botany, Chlorine Plant for Marley Cooling Towers; Sydney Waterboard, Malabar; AGL Gas Separation Plant, Kurnell, Port Kembla; Arnott's Biscuits, Homebush; BHP Port Kembla; Peakhurst Mail Delivery Centre; Printforce, Mascot; Transgrid Sub-Station, Armidale.

Mining & Quarries

BHP-Billiton, Dendrobium Coal Mining Project, Illawarra Region; Cleary Bros Sand Quarry; BHP Collieries, Appin; East Kurrajong Sandstone Quarry; Moolarben Coal Mining Project (IHAP Panelist).

Water / Sewerage Treatment

Augmentation of Sydney Water's sewerage treatment plants at Mt Victoria, Blackheath and Medlow Bath.

Construction Noise & Vibration

Westpac building refurbishment, Sydney; State Bank Plaza refurbishment, Martin Place, Sydney; Western Sydney Orbital road construction noise EIS; M5 East motorway construction & tunneling noise/vibration EIS; plus hundreds of small-to-medium size construction sites.

Vibration & Structural Damage

Earthquake Simulator, Sydney Mining Museum; Leeder Ave, Penshurst; Theatre Royal train track and building isolation investigation; Sydney Mining Museum; AGL Centre's facade glazing vibration investigation; BHP Collieries drilling and blasting monitoring and structural damage assessment on historic cottage at Appin.

Environmental

Four Square Gospel Christian School, church Auditorium, hall and offices at Georges Hall;; clubs include Castle Hill RSL; Mt Pritchard District & Community club; Sutherland District Trade Union club; Western Suburbs Soccer Club; Arnotts Huntingwood industrial and office development; Eastern Creek Raceway leasehold review; State Bank Arcade Refurbishment, Martin Place; Penrith Anglican College; Ritz Cinema Extension, Randwick; St Ives Mirvac residential development.

Occupational Noise

Uni-chef Pty Ltd, Kirrawee; Preparation of numerous Legal Reports for Workers Compensation and Common Law court hearings; Expert Witness in Common Law Courts; Parker Furniture; headset noise tests for 'Acoustic Shock' at Telstra 1100 Customer Service Centres in Sydney, Adelaide, Newcastle and Wollongong; 'Acoustic Shock' monitoring fat Call Centre for Austar United Communications, Gold Coast Qld.

Research & Development Studies

Heavy Vehicle Engine Compression Exhaust Brake Noise Study for the RTA; national Telstra Study into Occupational Noise & Building Acoustics of Telstra Customer Service Centres.

Architectural

St Ignatius College Riverview, Sports Complex; The Liverpool, Health Services Building; Lend Lease Video Meeting Room Relocation, Australia Square Tower; Naval Support Command Headquarters, Pyrmont; Telstra Customer Service Centres four in Sydney, plus others in Newcastle, Wollongong and Adelaide.

Building Mechanical Services

Computer Power Building, Fernhill Park, Canberra: FMWU Building, 187-189 Thomas St, Haymarket: Market City Building, Haymarket: Navy Building (REVV), Pyrmont.

Peer Review

Pacific Hwy Upgrade - Woolgoolga to Ballina (Broadwater to Pimlico) - Detailed Design; Epping to Thornleigh Third Track Freight Rail Development – Review of noise / vibration assessment and design of mitigation measures (TfNSW); M7 Western Sydney Orbital – Review of Concept and Detail Noise Mitigation Design (RTA); Southern Sydney Freight Line Operation Noise & Vibration Management Plan (ARTC).

Expert Witness & Legal Cases

Commission of Inquiry for the BHP-Billiton, Dendrobium Coal Mining Project, Illawarra Region (environmental noise / vibration impacts); Wilson -V- Meudon Pty Ltd , Supreme Court (potential loss of acoustic amenity from noise intrusion of a proposed penthouse apartment into apartment below); Robert Cartwright -V- Steve Watt Constructions Pty Ltd (vibratory roller vibration measurements and assessment of structural damage); Noise Intrusion from The Lobby Restaurant Into The Villa Boutique Hotel, Surry Hills; AIWA Walkman Portable Radio Cassette Player Acoustic Tests for Hearing Loss Case; East Kurrajong Sandstone Quarry, Land & Environment Court; Copatress -V- South Sydney Council, Land & Environment Court (noise survey and assessment of Buckland Hotel, Alexandria); Incoll Management -V- Kogarah Council – Blakehurst Aged Care Centre, Land & Environment Court (noise impact assessment); Land & Environment Court for several other small to medium developments.

Independent Hearing Assessment Panels & Commission of Inquiries

Panel Member on the Independent Hearing Assessment Panel for the Moolarben Coal Mining Project, Lower Hunter Valley; Expert presenting evidence at the Anvil Hill Coal Mine Project Independent Hearing Assessment Panel; Commission of Inquiry for the BHP-Billiton, Dendrobium Coal Mining Project, Illawarra Region (environmental noise / vibration impacts).

Short-Courses Completed

- Machine Vibration Diagnostics Course, 1993 - Bentley Nevada
- NSW EPA Industrial Noise Policy Training Course, 2000 - NSW EPA
- Environmental Expert Training Course, 2008 - The Environment Institute of Australia & New Zealand
- Project Management (GSOE9820) post-graduate course under the School of Mechanical Engineering at UNSW in 2010

Professional History

- Since 2022 - Managing Director of Renzo Tonin & Associates NSW, VIC, QLD, Kuwait & Singapore
- 2016-2022 – Managing Director of Renzo Tonin & Associates NSW, VIC, QLD & Kuwait

- 2001-2016 – Director of Renzo Tonin & Associates Pty Ltd
- Since 2001 – Principal / Team Leader, Renzo Tonin & Associates Pty Ltd, Major Projects - Infrastructure
- 1995-2001 - Senior Engineer, Environmental Acoustics Team. Renzo Tonin & Associates Pty Ltd
- 1988-1995 - Acoustics and Vibration Senior Engineer, Eden Dynamics Pty Ltd
- 1986-1988 - Workshop Branch of NSW State Rail Authority
- 1985-1986 - Project Planning Dept. at BHP Steel International Group (Slab & Plate Products Division) - Port Kembla

GUIDELINES & POLICY WRITING

- Transport for NSW Asset Standards Authority's RSU 100 Series – Minimum Operating Standards for Rolling Stock – General Interface Standards, Dec 2014; assist with preparing Chapter 6.3 Noise Emissions
- Queensland Development Code Mandatory Part 4.4 – Buildings in Transport Noise Corridors – September 2010, technical input into the preparation of a statewide Guideline which supports the mandatory requirements of Queensland Government's legislation
- NSW Planning Guideline for Residential and other Sensitive Building Developments alongside Major Roads – technical assistance with the preparation of a statewide Guideline which supports the mandatory requirements of the State Environmental Planning Policy (SEPP) (Infrastructure) 2007
- NSW Environmental Noise Management Manual – assistance by carrying out a cost-effectiveness analysis of traffic noise mitigation options and providing feedback on methodology outlined in Manual
- Development of National Guidelines for Road Traffic Noise Management - commissioned by Austroads for Stage 2 of the development of a national guideline / policy, suitable throughout Australia and New Zealand, to minimise adverse environmental impacts and manage road traffic noise

Publications

Peter has published numerous papers for national and international conferences and journals on the topics of environmental noise, rail noise & vibration, road traffic noise, heavy-vehicle noise reduction, construction noise and vibration, and occupational noise. These include:

- "Heavy Vehicle Noise Reduction Study", Fifth International Congress on Sound and Vibration, Adelaide, South Australia, Dec, 1997, P Karantonis, N Ishac and R Tonin.
- "Comparison of Occupational Noise Exposure Results Acquired from an In-Ear Probe Tube and an Artificial Ear, for Users of Tele-Communication Headsets", Seventh International Congress on Noise as Public

- Health Problem, 'Noise Effects '98', Sydney, NSW, November 1998, P Karantonis and R Tonin
3. "Managing Noise and Vibration in Construction", Case Earth Award Guides, Case Study 14 in 'The Earthmover & Civil Contractor' Journal, September 2000.
 4. "Application of the NSW EPA's 'Environmental Criteria for Road Traffic Noise' Policy to the Western Sydney Orbital Motorway in Sydney", Acoustics 2001, Australian Acoustical Society Annual Conference, 'Noise and Vibration Policy – The Way Forward?', Canberra, ACT, Nov 2001, T Gowen & P Karantonis.
 5. "Converting Bureau of Meteorology Wind Speed Data to Local Wind Speeds at 1.5m Above Ground Level", Acoustics 2004, Australian Acoustical Society Annual Conference, 'Transportation Noise and Vibration – The New Millennium', Surfers Paradise, Queensland, Nov 2004, T Gowen, P Karantonis & T Rofail.
 6. "Comparing Weekly and Weekday Averaged Traffic Data when Modelling Traffic Noise", 14th International Congress on Sound and Vibration, Cairns, Queensland, July 2007, P Karantonis and D Gonzaga
 7. "Comparison of Traffic Noise Predictions of Arterial Roads using Cadna-A and SoundPLAN Noise Prediction Models", Acoustics 2008, Australian Acoustical Society Annual Conference, Nov 2008, Geelong, P Karantonis, M Chung, D Gonzaga and T Robertson
 8. "Road Noise Aspects of the NSW Infrastructure SEPP's 'Development in Rail Corridors and Busy Roads – Interim Guideline', Acoustics 2009, Australian Acoustical Society Annual Conference, Nov 2009, Adelaide, P Karantonis, J Parnell and N Tselios
 9. "Further Comparison of Traffic Noise Predictions Using the CadnaA and SoundPLAN Noise Prediction Models" ICA 2010, 20th International Congress on Acoustics, August 2010, Sydney, P Karantonis, T Gowen and M Simon
 10. "Environmental Noise – Theory, Modelling & Assessment Legislation: Workshop", Breaking New Ground, Australian Acoustical Society Annual Conference, Nov 2011, Gold Coast, P Karantonis, R Rumble and M Hayne
 11. "Rail Ground-borne Noise and Vibration Prediction Uncertainties", International Workshop on Rail Noise 12, Terrigal NSW 2016, P Karantonis & C Weber
 12. "Use of ISO measurement uncertainty guidelines to determine uncertainties in noise & vibration predictions and design risks", Acoustics 2016, Australian Acoustical Society Conference, Nov 2016, Brisbane QLD, P Karantonis & C Weber
 13. "Ground-borne Noise & Vibration Results from recent Tunnelling & Construction Projects in Sydney (Extended Abstract)", Hear to Listen 2018, Australian Acoustical Society Conference, Nov 2018, Adelaide NSW, P Karantonis, Mattia Tabacchi, Suyash Pareek, Jordan McMahon & Mateo Knezevic
 14. "Ground-borne Noise & Vibration Propagation Measurements and Prediction Validations from an Australian Railway Tunnel Project", 13th International Workshop on Railway Noise, Ghent, Belgium 2019, P Karantonis, C Weber & H Puckeridge
 15. "Ground-borne Noise & Vibration Propagation Measurements and Prediction Validations from a Railway Tunnel Project", Acoustics 2019, Australian Acoustical Society Conference, Cape Schanck, Victoria, P Karantonis, C Weber & H Puckeridge



Curriculum Vitae

William Chan

Principal

Qualifications

- Bachelor of Science (Physics and Mathematics) - The University of Sydney
- Member of the Australian Acoustical Society
- Work Health Safety: CGIO0562974SEQ1

Key Skills and Competencies

William has been consulting in the field of acoustics since 2004. William has a broad range of experience in a variety of projects with specific expertise in the measurement, assessment and control of environmental noise (road, rail, industrial and mining), computer noise modelling, architectural acoustics, occupational noise exposure, and construction noise and vibration assessment.

In addition to the field of acoustics, his consulting experience in other environmental fields includes the provision of wind studies and air quality assessments.

Relevant Experience

Industrial Noise and Environmental Noise Compliance

Desalination Water Delivery System Project; Marsden Park Precinct; Top Ryde Shopping Centre; Cooranbong Shopping Centre; Narellan Town Centre; Epping Centre (Genesis); Midway Shopping Centre; Bonnyrigg Shopping Centre; Morrisett Shopping Centre Redevelopment; Eastwood Shopping Centre Redevelopment; Redbank Shopping Centre Stage 2; Norwest Marketown; Centrelink Head Office; Blackmores Facility, Warriewood; P&N Beverages Facility, Condell Park; Alto Mitsubishi, Waitara; Alto Toyota, Waitara; Leightons Precast Facility, Coffs Harbour; HMAS Watson; God In The City Church; Erina Fair; The Rocks Police Station; Harbourside, Darling Harbour; 456 Records ; Nurtriso Facility

Mining and Quarries

Cowal Gold Operations; Carroona Coal Project; Sunrise Project; Dendrobium; Broken Hill Mineral Separation

Plant; Bulli Seams Operations; Cadia East; Tarrawonga Coal Mine; Ulan Coal Mine; McPhillamys Gold Project; Bayan Airag Gold Mine, Mongolia; Wilton Quarry; Eastwood Brick Quarry; Gujarat NRE (peer review)

Road Traffic Assessments

Batemans Bay Bridge Replacement, Clarence River Bridge Replacement, WestConnex Stage 1B (M4 East); Pacific Highway, Woolgoolga to Ballina, Portion D; Sapphire to Woolgoolga Pacific Highway Upgrade; Princes Highway, Central Coast Highway Upgrade, Erina Heights; The Northern Road Stage 1 & 3; Pacific Highway Intersection Upgrades, Turramurra to Wahroonga; Burrill Lake Bridge Replacement; Bringelly Road Upgrade; Avoca Drive Upgrade; Richmond Road Upgrade, Marsden Park; Banora Point Upgrade Alliance, Pacific Highway; F5 Freeway Widening; Pacific Highway Upgrade, San Remo; Shell Cove; Northern Hume Alliance; Bringelly Road Upgrade; Camden Valley Road Upgrade, M1 Motorway to Raymond Terrace Upgrade

Railway Noise & Vibration

Liverpool Turnback Project; Southern Sydney Freight Line; Cronulla Line Duplication; Moorebank Intermodal Facility; Epping to Chatswood Rail Link; CBD Metro Tender

Renewable Energy

Parkes Solar Farm; Griffith Solar Farm; Sunraysia Solar Farm; Nevertire Solar Farm; Beryl Solar Farm; Wellington Solar Farm; Oxley Solar Farm, Blind Creek Solar Farm, Compliance Audits of Cullerin Range, Capital and Woodlawn Wind Farm Projects

Construction Noise & Vibration Assessment

Liverpool Turnback Project; The Quay Development, Haymarket; Orange Drought Relief Pipeline; Desalination Water Delivery System Project; Top Ryde Shopping Centre; Norwest Marketown; Centrelink Head Office; HMAS Watson; God In The City Church; Harbourside, Darling Harbour; Southern Sydney Freight Line; Cronulla Line Duplication; Moorebank Intermodal Facility; Epping to Chatswood Rail Link; CBD Metro Tender

Licensed Premises Assessment

Castle Hill RSL; Smithfield RSL; Panthers Club, Bathurst;
Panthers Club, St Johns Park; Panthers Club, Cardiff;
Panthers Club, Richmond; Ryde Eastwood Leagues Club;
Merrylands Bowling Club; North Sydney Club; Mittagong
RSL; St George Leagues Club; East Leagues Narellan Club;
Sportsman Hotel, Blacktown; Pagewood Hotel; Captain
Cook Hotel; Milli Vini Wine Bar; Boundary Hotel, Redfern;
Wattle Grove Hotel; Miranda Hotel

Occupational Health & Safety Assessment

St Vincent's Private Hospital; St Vincent's Public Hospital;
Sydney Children's Hospital Orthotics Department; Sydney
Airport T1 Redevelopment

Professional History

- 2021 to date Principal, Renzo Tonin & Associates
- 2011 – 2021 Senior Consultant, Renzo Tonin & Associates
- 2010 – 2011 Senior Consultant, PAEHolmes
- 2008 – 2010 Senior Engineer, Wilkinson Murray
- 2004 – 2008 Project Engineer, Acoustic Logic