ENGINEERED SAFETY BY ANALYSIS PTY LTD

CAPABILITY STATEMENT: Noise & Vibration Assessment

We provide world class, client-focused and cost effective engineering solutions using our expertise in investigative, analytical and computational engineering skills. Our aim is to deliver timely safe ***engineered solutions*** with ***excellent project management***, maintain ***interactive communication*** and execute the strategically-planned project.

Environmental Noise: Assessment and its Control

Elevated environmental and workplace noise can cause hearing impairment, hypertension, ischemic heart disease, annoyance and sleep disturbance.

The Environmental Protection Authority (EPA), Victoria, has developed policies, regulations and guidelines to prevent and control noise.

The noise sources that impact on rate payers include those from residence(s), construction and development sites, entertainment venue and places of commercial/industrial activities.

We are conversant with the Environmental Protection Regulations, including SEPP N1, SEPP N2 and NIRV and offer services in the following:

- Identify current and anticipated noise sensitive areas
- Determining the noise limits using the relevant regulations
- Noise compliance assessment at the residences, commercial, construction and industrial sites
- Recommendation of noise reduction strategies
- Expert witness report

Facilities and Equipment

Advanced noise and vibration measurement equipment and are expertly used for both short-term and long-term on-site noise and vibration measurements.

Expertise

All engineering work is overseen by our Director, Dr Wing Chiu, a Chartered Professional Engineer with 25 years of experience in noise and vibration consulting engineering, and structural engineering. Our clients include Melbourne Water, Yarra Valley Water, Mercedes Benz Australia, Hanson Transmission, Worksafe and Mazda Australia

Completed Projects Brief

Noise survey and noise mapping in manufacturing facilities; Noise monitoring and assessment in accordance to EPA legislations; Noise and vibration measurements to determine human habitability in accordance to ISO; Vibration analysis to identify offending sources and development of abatement strategies; Expert witness reports in industrial incidents; Engineering failure analysis; On-site testing of engineering structures; Strategic planning of mechanical analysis to achieve safe engineered solutions

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