



PRESERVING HUMAN'S RELATIONSHIP WITH SOUND

While humankind is trying to create a better future for ourselves, sometimes it is inevitable for us to create unwanted byproducts in a form of pollutions. Despite its harmful health effect, noise is one kind of pollution that tends to be underprioritized compared to other more pressing environmental issues.

This unwanted sound is created from a lot of kinds of activities such as transportation (road, rail, ship, aircraft) and industrial activities (oil & gas, power generation, mining, manufacture, etc.). Taking care of noise is necessary to ensure that the environment is sufficiently safe and healthy for us and other species to live in.



Geonnoise Asia

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OUR SERVICES



NOISE MEASUREMENTS

Noise measurements are necessary both to understand the noise that we are facing, as well as to verify that the noise levels are within the limits of regulatory requirements. Geonnoise provides a wide range of noise measurement services: sampling and monitoring, temporary and permanent, offline and online, and multiple options of data type to record (Noise levels, triggered audio recording, noise source identification, etc.)



NOISE PREDICTION

Noise prediction by software modelling is a powerful tool to calculate noise especially during planning phase. Our engineers typically use SoundPLAN software to predict noise from transportation and industrial activities, which results can be used to assess if the noise level will be within the limits. If the predicted noise levels fall outside the desired range, noise mitigation measures can be designed accordingly.



NOISE CONTROL DESIGN

An optimum noise control design is necessary both to ensure desirable outcome and efficient mitigation. As Acoustics is multidisciplinary, we thrive when working together with other engineers such as structural, mechanical and process engineers. Typically, we provide noise control options to be reviewed by other engineers, where noise control measures will be chosen based on ALARP principle (as low as reasonably practicable).



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SELECTED PROJECT PORTFOLIO IN ENVIRONMENTAL AND INDUSTRIAL NOISE

Year	Client/Project	Scope of Work	Location
2016	Phu Bia Mining	Noise measurement and mapping	Vientiane, Laos
2017	Electricity Generation Authority of Thailand (EGAT)	Noise measurement and mapping	Lumpang, Thailand
2018	Pandora Production	Noise measurement and noise control consultation of a production facility	Bangkok, Thailand
2018	Essilor Thailand	Occupational noise measurement and consultation	Bangkok, Thailand
2018	Hatfield / Indonesia Power	Noise model and report review for a power plant	Semarang, Indonesia
2019	HDB SG	Temporary aircraft noise monitoring	Singapore
2019	Modec / Eni S.Pa	Noise Modelling of an FPSO	Gulf of Mexico, Mexico
2020	Pertamina / RRE	Noise Study during FEED and EPC stage for CDU Revamp in a Refinery Unit	Indramayu, Indonesia
2020	Adhi Karya	Railway noise passby measurement and noise barrier design for LRT Jabodebek	Greater Jakarta, Indonesia
2020	ABB Power Grids Co., Ltd.	Noise Modelling for Hitachi ABB Taiwan	Taiwan
2020	Cirebon Electric Power	Noise Measurements, modelling and consultation for a power plant	Cirebon, Indonesia
2021	Thyssenkrupp	Noise measurement and mapping	Rayong, Thailand

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