

Acoustics & Vibration

Environmental and Industrial Consulting



Field Measurements

Performed with state-of-the-art Soft dB equipment to go beyond traditional methods



Data Analysis

Measurements and simulations based on advanced scientific and processing technologies



Reporting & Advices

Tailored recommendations and solutions proposed to mitigate noise and vibrations

OUR EXPERTISE

Soft dB consultants have been solving noise and vibration problems since 1996. Our PhDs, engineers and specialized technicians have completed thousand of projects in the environmental, industrial, architectural, commercial, institutional and residential fields.

For your noise and vibration control problems, Soft dB has state-of-the-art expertise. We offer acoustics and vibration consulting services across North America and Europe through our offices in Toronto, Montreal, Quebec, and Luxembourg.

ENVIRONMENTAL NOISE

INDUSTRIAL SECTOR

CONSTRUCTION SITES

24/7 LIVE MONITORING

Soft dB

OUR SERVICES



OVERVIEW

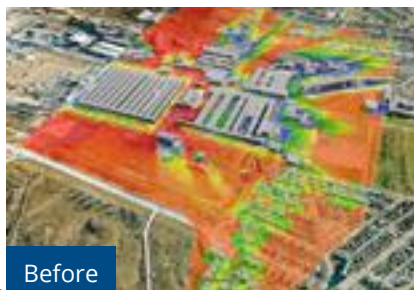
Noise emissions related to activities from industry, ground & air transportation, heavy machinery, equipment or mining & construction sites are regulated by norms and standards to insure the quietness of the surrounding neighborhoods and the health of on-site workers.

Either starting from your existing installation or in the planning stage of your future project, Soft dB advises you on the most appropriate solutions to comply with environmental and occupational health legislations.

Soft dB leverages advanced diagnostic & modeling methods to locate and quantify the relevant sources of noise and vibration. From this assessment, Soft dB is your privileged partner to propose and install acoustic solutions tailored to your needs.

ENVIRONMENTAL SERVICES SUMMARY

- 24/7 Live monitoring stations of noise, vibrations, dust, meteo and more
- Detailed measurement, simulation, analysis and source identification of noise and vibration for instance related to fan, HVAC, engine, industrial chimney, valve, pipe, crusher, compressor, loader and vehicles
- Local and governmental regulatory compliance assessment
- Modeling of noise propagation & vibration dispersion using advanced simulation tools, including CADNA-A, SoundPlan, TNM, FHWA, STEAM and CAA
- Noise mapping and real-time identification of noise sources
- Design and specification of engineered noise control measures
- Concise reporting including custom recommendations



Before



After

Predicted noise maps before and after treatment of an industrial plant

Contact Our Experts

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