

Experts in Acoustics and Vibrations



Solving your noise problems
for more than 20 years

www.softdb.com

Soft dB



« Noise » is undesirable sound that
Soft dB can help you control!

Who We Are

Noise & Vibration Experts

Soft dB has been offering acoustics and vibration consulting services since 1996. Our doctors, engineers and specialized technicians have carried out numerous projects in the environmental, industrial, architectural, commercial, institutional and residential fields. Soft dB has an

expertise at the frontiers of knowledge for all your noise and vibration control problems. With consulting offices in Quebec, Montreal, Malartic, Toronto, and Luxembourg, we're able to deliver our acoustics and vibration consulting services all across Canada, United States, Europe and Africa.

Industrial Services



Mining

Innovative techniques for managing noise related to **Mineral Extraction Activities**.

Mining industry noise is an important issue for operations taking place near communities. In order to address this problem, Soft dB has cutting-edge tools for diagnosing and controlling mining equipment noise and for surveillance thanks to environmental sound monitoring stations. From pre-project sound impact studies to helping you design custom acoustic solutions for mining equipment, Soft dB is your partner.



Gas

For transformation **installations** or for land and sea **transportation**, Soft dB is the solution.

The Soft dB team is known for its expertise with international oil and gas companies. From your existing installations to your future projects, Soft dB can advise you on implementing adequate solutions for respecting rules concerning environmental noise and occupational safety and health.

The Soft dB team is committed to pinpointing your noise sources and finding the best mitigation measures to help you meet your objectives, **whatever the sector of activity**.

Clients: Canadian Malartic, QIT-Rio-Tinto, Suncor, Valero, Linde, MDDELCC, and more.

Transportation Noise



Transportation noise constitutes a major issue for **Sustainable Mobility**.

New Reality

The number of vehicles circulating on our roads has considerably increased over the last few years. Furthermore, people are more concerned by the effects of road traffic on the environment. Consequently, regional county municipalities must

now take road, air, and rail noise into consideration. In order to deal with these new constraints, Soft dB offers you specialized expertise that will allow you to meet the requirements of noise regulations.

Clients: Devimco, Broadgroup, Gov. of Canada, Gov. of Quebec, City of Montreal, City of Quebec, and more.

Construction Sites

Construction sites located in cities or close to residences must develop, implement and follow a noise management program. This program describes the methodology that will be used to carry out site activities in accordance with municipal noise regulations, as well as provincial and federal laws. Soft dB is there to support you throughout the entire

process and during work activities; from developing noise and vibration control measures, to surveillance measures for your site. Soft dB has the necessary expertise and equipment to help you respect standards associated with your work.

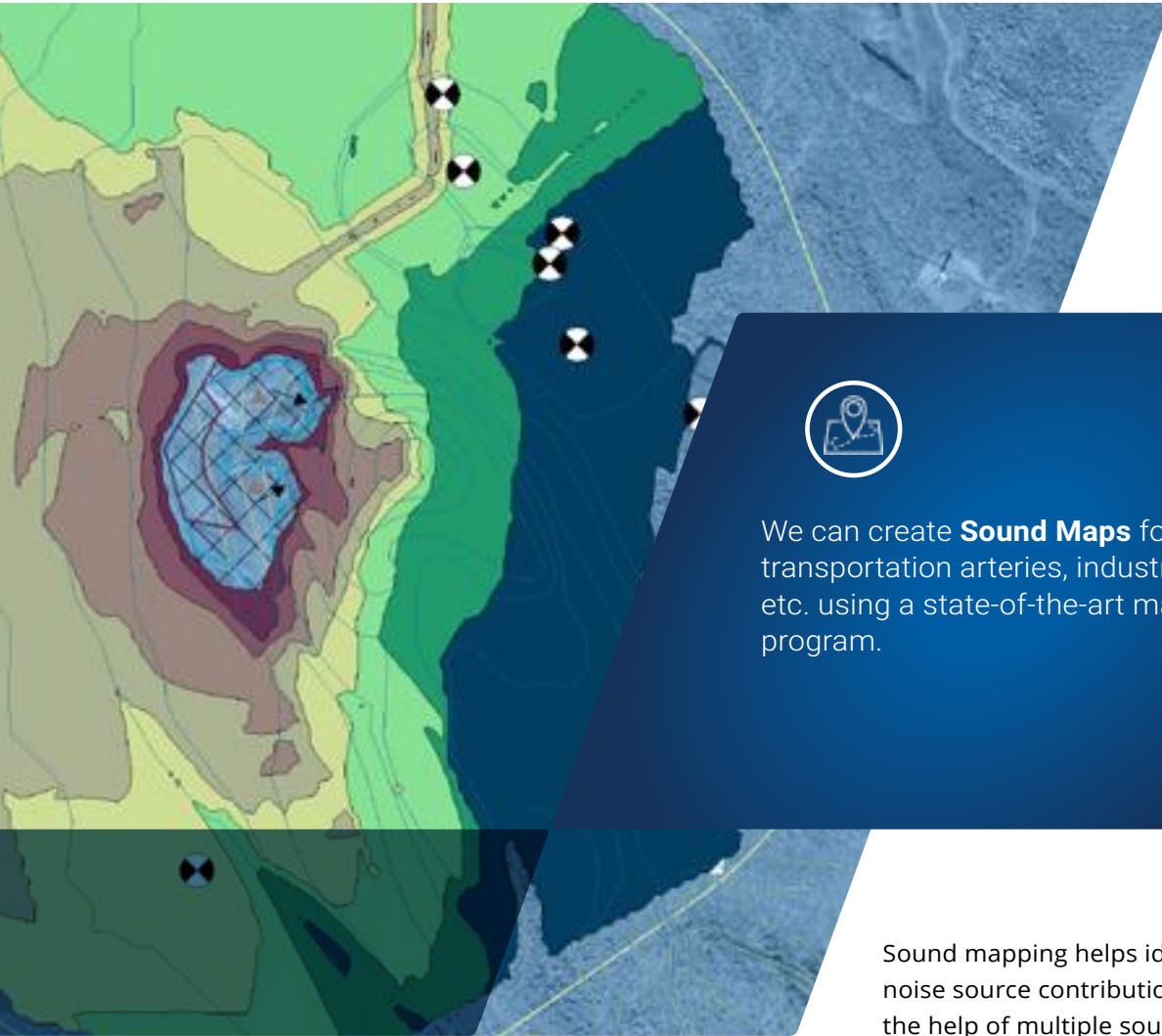
The quality of the Soft dB team's expertise and reports has been satisfying clients for 20 years.



Soft dB's monitoring stations ensure the **Real-Time Remote Surveillance** of your construction sites. If desired, you may offer citizens the opportunity to consult sound levels during work activities.

Clients: Société des Ponts Jacques-Cartier et Champlain, large construction companies, and more.

Sound Mapping



We can create **Sound Maps** for cities, transportation arteries, industries, etc. using a state-of-the-art mapping program.

Sound mapping helps identify and quantify noise source contribution. This is done with the help of multiple sound recordings on a given territory from theoretical data for a future project. The measurements are then integrated into a program that computes sound maps of the covered territory.

Clients: Kruger, Caisse de dépôt et de placement du Québec, Hydro-Québec, Parc Jean-Drapeau, and more.

Solutions and Equipment

Apart from its personnel, Soft dB's strength lies in its equipment, since the majority of the instruments used have been developed by us. Soft dB's patented technologies boast a worldwide reputation. Soft dB's instrumentation covers different arrays of sound level meters, processing and measurement programs, digital signal processing tools, acoustic blankets, as well as a world-renowned sound masking system.



High Precision Instruments

- Noise (Microphone and hydrophone)
- Vibration (Accelerometer)
- Traffic (Counter)
- Dust (Mobile analysis station)
- Temperature (Complete weather station)
- Live Video (Camera)

Power Sources

- Electricity
- Batteries
- Solar Panels (autonomy)



Noise and Vibration Measurements

According to your needs, measurements may be made in a few minutes or on a continuous basis for longer periods. Annual packages are also available.



Cloud Service

Real-time continuous surveillance and management of compliance. Stay informed thanks to 24/7 private (or public) online access. Email or text notification options are also available.

Contact Our Experts

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Thank you for your interest in our services. If you have any questions or more complex, specific needs, don't hesitate to get in touch with us. One of our acoustical engineers will be happy to assist you!

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