MINING
NOISE & VIBRATION
EXPERTS

Soft dB

NOISE MANAGEMENT OF MINING EQUIPMENT

Soft dB has developed expertise in the real-time identification of equipment noise levels. A web interface shows noise levels generated by each machine. This enables mining operations managers to better target their mitigation efforts and ensure acceptable noise emission levels throughout the day.

The interface emphasizes on the louder machines so that the manager can easily decide which machine should be turned off and whether it can be turned back on. It is particularly useful for a mine located near a residential zone.

A TOOL YOU CAN COUNT ON

Real-time identification of the noise level of the equipment.
Interactive web interface displaying the noise impact of each machine.
Helps mining operations managers continuously comply with noise regulations.

Knowing the noise of the source machinery and their current position, Soft dB uses a propagation model with the topography and several wind conditions to determine the resulting noise of machinery in an open pit.
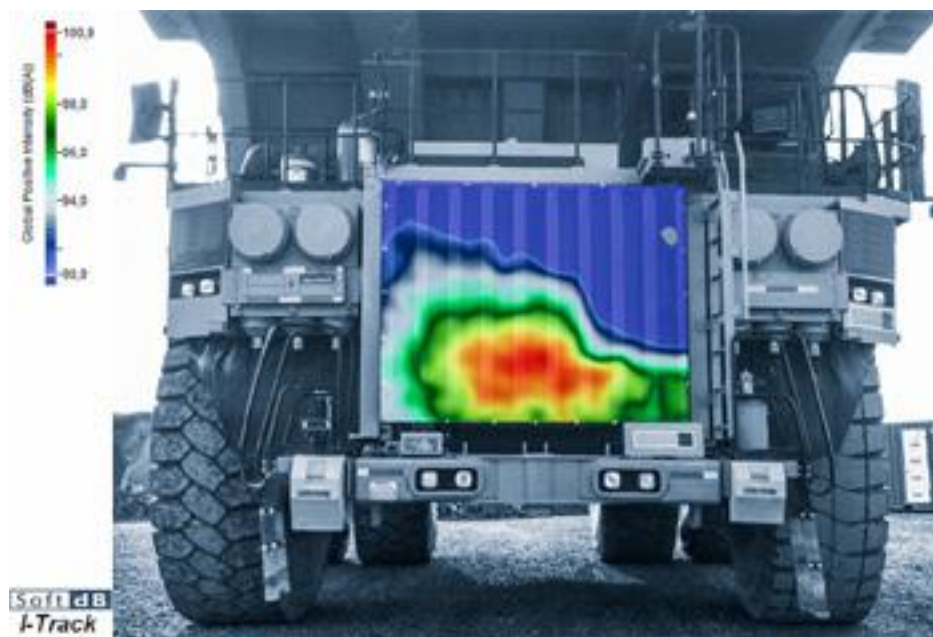
SOUND INTENSITY MAPPING SYSTEM

Soft dB has developed extensive expertise in the identification and characterisation of sound sources. The principal diagnostic tool used is the Soft dB I-Track system. The I-Track is a unique sound intensity mapping system that visually represents the sound emerging from a source.

Once an acoustic problem has been identified, Soft dB applies its years of experience in reducing the noise in commercial and industrial environments.

ADVANCED NOISE DIAGNOSIS

Fast and accurate diagnosis using Sound Intensity Maps
Custom and innovative noise reduction solutions

Measurements of sound power, pressure
and Intensity levels using advanced
sound mapping techniques to ISO and
ASTM standards

CUSTOMIZED REMOTE MONITORING

Rugged Web Monitoring Stations Tailored to Your Needs

Customize the main interface to follow the current levels and status of several stations
Customize the level history interface to display and export data

MONITORING STATIONS
Live On The Web

The Soft dB Web Service provides an easy way to perform remote noise and vibration monitoring. It gathers the data from one or several monitoring stations and makes it available on a private web page 24/7. The Soft dB Web Service and monitoring stations allows for versatile configurations; from temporary to permanent, from a single monitoring station to several, from simple measurements to advanced functions.

Soft dB also offers solutions for customized web interfaces that meet the specifc needs of each project.

- 24/7 Web page access
- Private web page with login and password
- Noise, Vibration and Weather monitoring
- Interactive Web page with Time-History, Spectrum, Audio Playback and Picture Viewing
- Up to 4 channels SLM or 1 channel SLM and 3 channels Vibration

Contact Our Experts

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