



Acoustical

- Field and ambient noise surveys
- Existing facility noise surveys
- Assessment of vendor-provided noise data
- Acoustical modeling of new and existing facilities
- Analysis of noise impacts
- Preparation of acoustical specifications
- Assistance with regulatory permitting
- Design of acoustical buildings, enclosures, barriers
- Design of acoustic doors, windows, skylights
- Acoustic ventilation systems: louvers, plenums and vents
- Custom designed silencers: ventilation, intake and exhaust
- Laboratory testing
- Post-construction noise surveys and assessment
- Guaranteed regulatory compliance

Mechanical

- Design of HVAC systems
- Design of electrical systems
- Design of gas/fire detection systems
- Design of fire fighting systems
- Design of combustion air intake in exhaust systems
- Design of structural steel
- Specification of cranes

Construction

- Turn-key contracts
- Project and construction management and on-site quality control
- Field erection and supervision

General

- Third party acoustic treatment and price verification
- Preparation of budget proposals and cost estimates
- Procurement of components and system

ISO 9001-2000



Certificate No. 025219

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Global Acoustic
SOLUTIONS INC.

www.globalacousticsolutions.com

Global Acoustic Solutions Inc. is an engineering and construction company specializing in noise abatement for industrial facilities.

Global's professional staff includes acoustical, mechanical and structural engineers. We rely on proprietary technologies to design solutions to noise problems.

NOISE ASSESSMENT & FEASIBILITY STUDIES

Global Acoustic is equipped to assess noise levels on existing or proposed installations, and to deliver reports detailing the acoustic profile of the installation and consequential impact on employees and the local environment. Using state-of-the-art technology to collect, process, model and analyze data, we are able to precisely identify relevant noise sources and existing or potential problems. Presumptive data such as atmospheric and meteorological conditions can be incorporated into the modeling profile.

Reports also outline local regulatory requirements and compliance feasibility.

Global is able to provide clients with detailed acoustical specifications for tender documents.

PLANNING, ENGINEERING & DESIGN

Industrial noise problems are resolved by designing solutions for:

- building walls and roofing
- engine and turbine exhaust
- air intake and exhaust
- building ventilation
- fans

Global Acoustic guarantees that our acoustical engineering will meet the most stringent performance requirements, and will comply with all federal and municipal requirements.

In addition to problems related to loud noise, we address low frequency noise problems as this causes vibrations that will eventually compromise mechanical and structural integrity, as well as creating unnecessary stress for employees.

PERMIT APPROVAL

Global Acoustic assists clients in obtaining regulatory permits and approvals. We are also able to provide support for public hearings with informative audio/visual presentations and displays, designed to both express the problem and to reassure participants that the solution will be one they will find satisfactory.

ACOUSTIC BUILDING & ENCLOSURE CONSTRUCTION

Global provides design, supply and construction services that meet a diverse range of needs. Our buildings are designed to be air-tight and use special seals to block noise and outside air and light along joints, penetrations, doors and windows.

Global's specialized pre-built panelized construction method delivers structures that can be assembled quickly, requiring minimal skill or experienced labor on-site. Using this method, a building can be constructed before or after equipment is installed with equal efficiency.

Our engineers prepare a comprehensive project analysis and make recommendations to ensure that clients receive efficient, cost-effective acoustic solutions. We will usually recommend that noise caused by interior equipment be resolved independently with solutions such as combustion intake and exhaust ducts and ventilation fans to reduce equipment noise. Acoustic plenums, pipe and duct lagging all contribute to reduction of interior equipment noise. Incorporating solutions that address specific problems can reduce overall costs for a project compared to solutions that only allow for an insulated structure.

Global Acoustic is also able to upgrade existing structures or barriers to meet regulatory requirements for acoustical performance.

