

# Quietly Making Noise, LLC

*Acoustical Consulting and Noise Control*

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## **INDUSTRIAL – Sample List of Projects**

**Large Boiler Primary Air Fan, Manitowoc, Wisconsin** – Detailed, in-depth acoustical evaluation of existing test data. Root cause analysis and identification of noise sources. Design and specification of retrofit silencers, barriers, and lagging. Ongoing consulting.

**1301 Avenue of the Americas Cogeneration Plant, New York City, New York** – Acoustical evaluation of 11<sup>th</sup> floor, outdoor cogeneration plant noise issues. Developed acoustical model and designed acoustical louvers and silencers to reduce noise transmission to adjacent office building.

**Steam Turbine Deck and Process Steam Piping Noise Issues, Selkirk Cogeneration Plant, Selkirk, New York** – Acoustical testing on-site, evaluation of root cause, development of barriers and pipe lagging.

**Combustion Turbine Enclosure Design, Client located in South Carolina, Multiple Projects Worldwide** – Acoustical design of wall and roof panels and ventilation system silencing, testing, and consulting.

**Gas Compressor Enclosure, Client located in Blasdell, New York, Project in Nigeria** – Acoustical design of wall and roof panels and ventilation system silencing.

**Honokaa, Kailua-Kona, and Keahole Power Plants, Hawaii** – Acoustical testing. Design of noise mitigation measures.

**Food Distribution Warehouse, Orlando, Florida** – Acoustical testing of truck trailer refrigeration units. Development of noise mitigation measures to reduce noise levels in nearby residential area.

**Waste-to-Energy Power Generating Plant, Corinth, New York** – Acoustical modeling of overall plant including refuse delivery. Sound barrier wall design.

**Combustion Turbine Inlet and Exhaust Silencers, Gas Turbine Systems, Multiple Projects Worldwide** – Acoustical design and pressure drop calculations.

**Small Cogeneration Units for Home Depot Stores, Client located in New Jersey, Multiple Sites Locations Nationwide** – Acoustical evaluation to determine overall plant sound levels.

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Member, Institute of Noise Control Engineers and National Council of Acoustical Consultants

**Industrial (continued)**

**Branchburg 500 kV Substation, New Jersey** - Acoustical modeling to assess community noise impacts. Design of noise mitigation measures, including noise barrier walls.

**Pipeline Gas Compressor Enclosures, Client located in Tulsa, Oklahoma, Project in Freeport, New York** - Design of acoustical enclosure with ventilation silencers for compressors.

**Chihuahua III Combined Cycle Power Plant, Samalayuca, Mexico** – Acoustical testing to demonstrate compliance with Mexican regulations for site boundary and work place noise. Developed noise test protocol and gained approval of regulatory authorities. Air emissions testing also conducted in association with Mostardi Platt Environmental.

**Gas Compressor Enclosure, Niagara Frontier Fabricating Company, Blasdell, New York, Project Locations Worldwide** – Acoustical design and evaluation of existing designs.

**Combined Cycle and Simple Cycle Power Plant Noise Control, Consolidated Fabricators, Inc., Headquartered in Clinton, South Carolina, Project locations worldwide** – Acoustical design, testing, and consulting for:

- Gas and steam turbine enclosures
- Generator enclosures
- Ventilation silencers
- Boiler vent and relief valve silencers
- Acoustical barrier walls
- Modeling of overall plant sound levels

**Combustion Turbine Exhaust Duct and Silencer, Confidential Fabricator, Multiple Projects** – Acoustical design.

**Astoria Power Generating Facility, Astoria, New York** – Third party review of environmental noise impact study.

**Auburndale Cogeneration Project, Auburndale, Florida** – Acoustical design of overall plant noise control achieving over \$3 million in cost savings through judicious selection of control technologies and location of equipment on the site.

**Commonwealth Atlantic Limited Partnership Power Plant, Chesapeake, Virginia** – Active noise control of 104 MW large frame industrial gas turbine exhaust noise. Support to client with local meetings and public noise complaints.