

## Electric Power Plants Noise Control

Electric Power Plants employ equipment such as fans, centrifugal blowers, pumps, compressors, piping and ducts to produce electricity. Each of these items has the potential of generating high noise levels. Below is a list of solutions to address these noise issues and sound control problems.



**Duct Silencers** – Offer a high level of sound reduction in airflow applications. Used in stacks, larger ID fans, building ventilation and many others. Can be applied as a retrofit or in the design stage.

**Mufflers** – Similar concept as duct silencers, but applied to motors or compressed air piping to reduce equipment exhaust noise. Typically applied to blowers, compressors, generators.

**Acoustical Louvers** – Provides sound reduction without restricting airflow in buildings and enclosures. Used in place of standard louvers for a high level of noise reduction.

**Duct and Pipe Lagging** – Effective means of reducing breakout noise generated from pipe and ductwork. Piping or ductwork is wrapped with the barrier absorber composite.

**Sound Enclosures** – The highest reductions in source noise control. Enclosures surround noisy equipment while providing airflow and access for maintenance. Enclose blowers, pumps, fans or any equipment generating high noise levels.

**Absorptive Panels** – Reduces noise levels in buildings and enclosed spaces. Typically applied to interior or exterior walls to reduce sound reflected from noisy equipment.

**Sound Barrier Walls**– Open-top enclosures used to effectively block noise by surrounding noisy equipment while not restricting airflow.