

# Power Generation

Stack and Flue Gas  
Silencers



making the world a quieter place

# Stack and Flue Gas Silencers

Stack silencers are designed to reduce the noise produced by the exhaust gas at the top of the stacks. They are installed downstream of equipment such as engines, gas turbines, boilers, HRSG, FGD systems.

## Typical Applications

- Simple or Combined Cycle Power Plants
- Coal Fired Power Plants
- Industrial or Petrochemical Boilers
- FGD systems
- Cogeneration Plants

## Gas Turbine By-Pass Silencers

Gas turbine silencers from IAC Acoustics can be manufactured as parallel splitter panels or configured as cylindrical cartridges. With the ability to cope with temperatures up to 650°C, our silencers can either be placed in-stack or in a separate casing to suit the required pressure drop of individual projects. Manufactured using a rugged all-steel construction, we can use specialist materials for high temperatures and other project specific requirements.

## Cold Stack Silencers

Cold stack silencers can be located in stack, boiler outlet ducts or flue gas ducts downstream of an exhaust fan.

Configurations include:

- Up to 250°C operating temperature
- Parallel splitter silencers
- Can be made for both rectangular and cylindrical stacks



## Engine Exhaust Stack Silencers

- Self-standing design which saves installation time
- Wind and seismic withstand calculation
- Complete supply includes the stack above the silencer
- Optional duct works between engine and stack



## Reactive Silencers

- Tuned reactive design prevents clogging in dusty environments
- Very good attenuation for low frequencies
- Model testing in our laboratories for guaranteed acoustic and aero performance
- Very low pressure drop
- Maintenance free

## FD and ID Fan Silencers

- Minimum pressure drop
- Strong construction
- Construction material as per customer requirements
- Supply of splitter panels or complete silencer with casing

