



Exhaust Silencers

Power Market

Reliable Hot or Cold Exhaust Stacks

WITH HIGGOTT-KANE™ SILENCERS

Gas turbines produce hot, volatile gases up to 1200°F (650°C). Combine that with rapid start-up times, high thermal stresses, high swirl and localized flow velocities and pressure variances, the result is high levels of noise and vibration. Well engineered exhaust systems will reduce the noise to compliance levels, decrease the turbulent exhaust flow and negligible impact back pressure. Exhaust systems for simple cycle, combined cycle and cogeneration applications all have similar needs but very different requirements. To meet these requirements trust Innova as the industry leader in providing compliant and long-lasting gas turbine silencing systems around the globe. With the delicate balance of performance, cost-effectiveness and turbine efficiency, our in-house acoustical engineers will do an in-depth analysis and provide the best solution to suit your bottom line.

Innova has extensive experience designing high acoustic performance exhaust silencers and stacks, trusted by OEM and customers around the world.



EXHAUST SILENCING SYSTEMS AND ANTI-ICING SYSTEM FOR 3 X GE LM6000

Benefits

- » Octave band guarantees
- » OEM approved designs
- » 1.5 MW-300 MW turbine model designs
- » Satisfy stringent acoustic requirements including low frequency noise – 34 dBA at 560ft and 70 dBA at 400ft
- » Design, build and install lined or unlined stacks or ducts — land or sea
- » Highly engineered and tested

Features

- » Higgott-Kane™ silencing system
- » Resilient baffle design
- » Acoustically isolated interior liners to restrict casing radiated noise break-out
- » Vertical or horizontal, round or rectangular stacks
- » Multi-stage, high performance silencers
- » Special vibration breaks to limit flanking paths



EXHAUST SILENCING SYSTEM FOR 2 X GE LM6000

Add-on Services

- » Acoustical consulting
- » Field technical assistance
- » Field turnkey installation
- » Commissioning
- » Retrofit available to any site worldwide

Add-on Products

- » Bypass system with diverter damper
- » Turbine exhaust diffuser
- » HRSG system
- » SCR or CO Catalyst Systems
- » Anti-icing system/inlet heating system
- » Acoustical buildings, barriers and enclosures
- » Expansion joints
- » Structural/Support steel
- » Ventilation, electrical components and fire detection and suppression
- » Plenums

Engineering Competencies

- » In-duct flow and noise measurements
- » Exhaust system integrity analysis
- » Low frequency and vibration analysis
- » Scale model for flow simulation

Leverage our Experience

The optimum way to sort through all the design considerations that factor into sound suppression is to contact an expert. Our in-house acoustic engineers are here to answer your noise concerns and work with you to provide a solution that balances design, performance and quality.

We can take your overall plant acoustic performance risk and provide the entire acoustic EPC scope with guaranteed compliance with regulations. Sound advice and guaranteed abatement results make every project a big success.

With more than 500 Higgott-Kane™ Silencing Systems installed worldwide, we have a resolution for the most critical noise problems and provide a single source responsibility.

DESIGN SOFTWARE TOOLBOX

- Finite Element Analysis (FEA)
- Computational Fluid Dynamic Analysis (CFD)
- Autodesk Inventor and 3D solid models
- CadnaA and in-house silencer acoustic modeling



Balance Without Compromise™

WWW.INNOVA-GL.COM
INFO@INNOVA-GL.COM