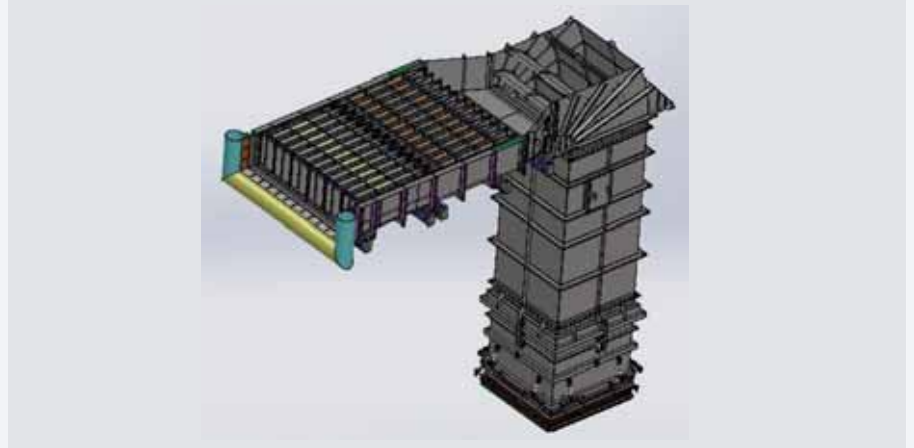




INDUSTRIAL GAS TURBINE SILENCER SYSTEMS



VG Engineering designs and supplies advanced custom gas turbine intake, vent and exhaust silencer systems to mitigate power generation and compressor station noise pollution. Our experienced engineers fully validated designs using in-house data together with CFD and FEA modelling to ensure acoustical, flow, thermal and structural requirements are met.



Systems are provided for new, retrofit, replacement and upgrade of power generation units

Power generation silencers systems are configured for a range of requirements:

- Low pressure loss - high performance - maximum efficiency
- Intake systems with integrated filtration systems—static and pulse
- Modular designs for easy site assembly
- Inlet and exhaust flow optimized using control devices ensure uniform flow through silencers
- Circular or round ducts and stack designs
- Hot Wall and Cold Wall exhaust stacks
- Optimized intake and exhaust system heights for efficient operation and exhaust dissipation under varying local atmospheric conditions
- Exhaust acoustic fill systems provide proven, maintenance free, long life service for use with today's advanced gas turbines
- Minimal foot-print to optimize use of available real estate.
- Monitoring ports
- Access for maintenance—walk ways, ladders, support structures



INDUSTRIAL GAS TURBINE SILENCER SYSTEMS

Acoustic systems are custom designed and constructed at VG Engineering Inc. dedicated facilities for each application to ensure compliance with customer requirements.

Duct and Stack Features Include:

- All welded, heavy duty construction.
- Integrated acoustic and flow component interfaces
- Factory applied protective finish for long life
- Various protective finishes available

Baffle Features Include:

- Aerodynamically optimized shape and assembly techniques
- Structurally designed for long life in high temperature cyclic conditions
- Aluminum or Stainless Steel
- All welded construction
- Encapsulated acoustic media selected for service conditions

Flow Device Options:

- Filter Units
- Turning Vanes
- Flow Control Screens
- Collector Ducts
- Exhaust Diffuser
- Weather Hoods

Options:

- Measuring Points
- Structural Supports
- Expansion Joints
- Access Points, Walkways and Ladders



APPLICATIONS INCLUDE: GAS TURBINE POWER GENERATION | COMPRESSOR STATIONS | PETROLEUM PROCESSING FACILITIES
SIMPLE CYCLE | COMBINED CYCLE | SCR