

VAW systems



TURBINE PRODUCTS

GAS TURBINE SYSTEMS

1 Intake Filter Houses

Single or multi-stage intake filter systems for Gas Turbines, Generators and Compressors. Filter Houses may include mist eliminators and evaporative cooling. Designed to be fully integrated with Acoustic Enclosures, Inlet Ducting, Inlet Silencers and all related System Components.

2 Intake Silencers

Designed to meet strict standards related to FOD (Foreign Object Debris) to protect the turbine engine from damage. Intake Silencer splitters are specifically designed to minimize pressure loss while maintaining the guaranteed acoustic performance. Intake silencer systems may include rectangular and elbow configurations, with integrated low pressure drop rain hoods.

3 Acoustic Enclosures

Engineered to deliver significant noise reductions from casing radiated sound in order to meet both occupational limits and environmental ordinances. They are designed as either single or double wall systems to ensure suitability for any installation and system pressure. Enclosures may include integrated access doors, silenced ventilation openings, structural supports and a variety of surface finishes.

4 Exhaust and Bypass Silencers

Rectangular and circular exhaust silencers are designed to meet the most demanding low frequency sound levels for systems operating under extreme conditions. Exhaust Silencers are typically designed with stainless steel internal splitters engineered to grow thermally while minimizing expansion stresses. Casings may be supplied for either hot-wall or cold-wall (near worker locations) gas turbine systems.

5 Acoustic Shroud

High performance barrier systems enhances the acoustic performance of any large duct system and heat recovery unit. Acoustic panels are designed to be mounted to the duct system and structure, and may include access doors and removable sections for field access.

6 SCR Housings and Ductwork

Designed to meet low noise requirement, aerodynamic flow, critical environmental conditions and containment of emission control equipment. Ducting can be rectangular and circular with hot or cold wall designs. Engineered to be self-supporting in both vertical and horizontal installations.

7 Vertical Exhaust Stacks

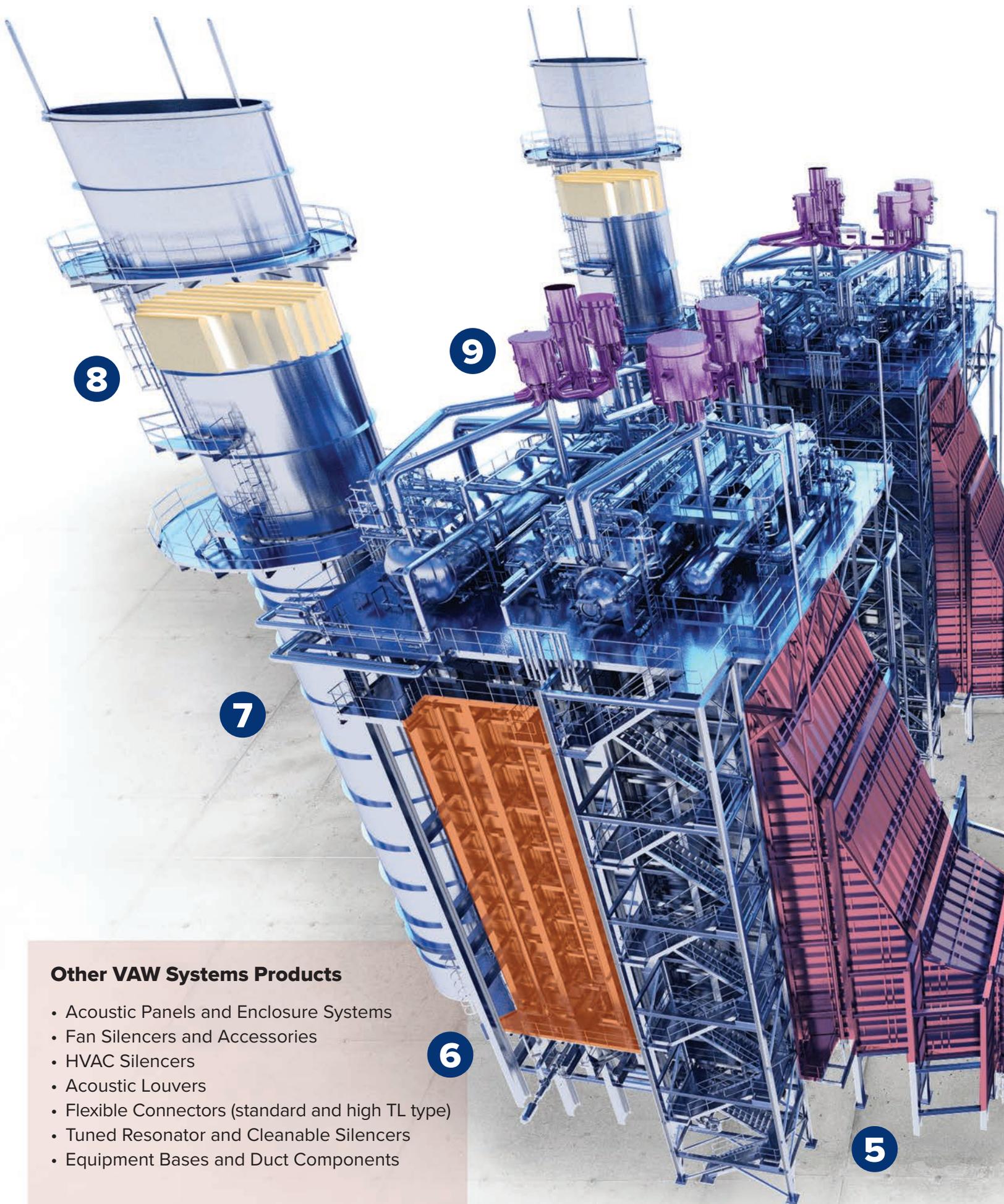
Free standing Circular and Rectangular stacks, these highly engineered stacks are easily adapted to include platforms/ladders, emission control ports, support structure for mounting above diverter valves and stack insert silencers.

8 Silencer Inserts

Rectangular baffle and circular-pod type inserts may be ideal for site installation on an existing stack system. Silencer inserts may include standard absorptive types and engineered tuned chamber and resonator designs.

9 Vent and Blow-off Silencers

Designed to reduce noise generated by the high differential pressure at the time of a system pressure release. Silencer design and materials are selected for the individual process venting conditions and facility acoustic requirements. Selection criteria is related to the vented medium (Steam, Air, Natural Gas, or other gas), the system's upstream pressure, temperature and flowrate requirements.

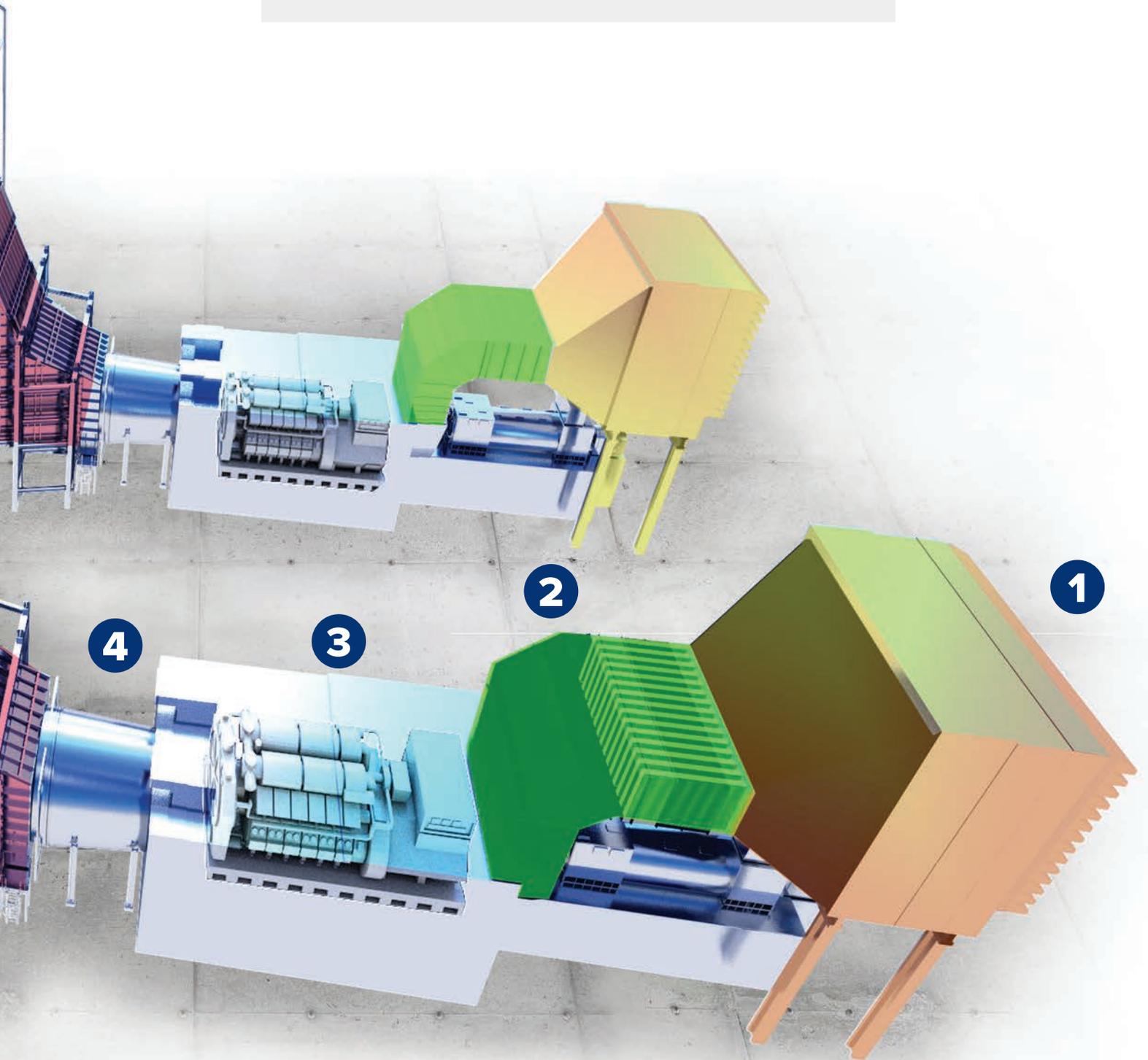


Other VAW Systems Products

- Acoustic Panels and Enclosure Systems
- Fan Silencers and Accessories
- HVAC Silencers
- Acoustic Louvers
- Flexible Connectors (standard and high TL type)
- Tuned Resonator and Cleanable Silencers
- Equipment Bases and Duct Components

COMPLETE SOLUTIONS FOR THE REAL WORLD

VAW Systems designs and fabricates a complete line of noise control products for gas turbine applications. Our silencers and filtration systems meet the high performance demands and rigorous quality standards of modern power plant facilities. VAW Systems delivers high acoustic performance and a low pressure drop, while maintaining a relatively small foot-print as part of a complete turbine package.



VAW Systems has been a trusted name in the noise control industry for over 40 years. Over that time, we have engineered and expanded our umbrella to include all areas of your mechanical system.

Commercial Silencers

VAW Systems commercial silencers are optimized for service in all types of commercial and institutional buildings. The noise control equipment may be used for HVAC, cooling towers, exhaust stacks, louver openings, and power generator rooms and enclosures.

Industrial Silencers

VAW Systems provides the widest selection of fan noise control products for the industrial ventilation market. The silencers, acoustic enclosures and filter systems may be applied in manufacturing facilities, mining operations, power generation plants, among many other medium to heavy duty air systems.

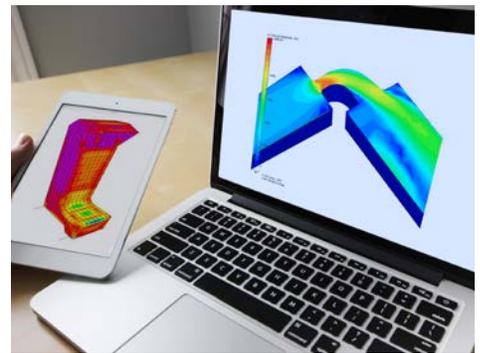
Turbine Silencers and Filtration Systems

VAW Systems is the leader in engineered noise control solutions for the gas turbine industry. Our discharge and intake ventilation silencers, stack silencers, filter houses and related systems are in operation throughout the world – on land and sea.

Applications Engineering Support

Our team enjoys supporting our customers with timely application engineering support. We use modern acoustic analysis and product modelling tools, backed by our extensive research and development program that is focused on the total system solution.

VAW Systems tests, designs and builds innovative silencers and related noise control products. We are always striving to reduce the size, complexity and total pressure losses of the solution provided to your mechanical system. Our noise control solutions are integrated into your system design – not the other way around!





Contact us to learn more about the value that we provide, and the ways we may help mitigate your noise control risk.

VAW Systems Ltd.

1300 Inkster Boulevard
Winnipeg, Manitoba R2X 1P5

Tel: 204-697-7770

Fax: 204-697-7789

info@vawsystems.com

vawsystems.com