NOISE CONTROL PRODUCTS AND SOLUTIONS
Oil and Gas Operations
Environmental noise is a growing concern for communities due to the expansion of oil and gas operations into noise sensitive municipalities, townships, nature preserves, and residential areas. Oil and gas operations generate environmental noise by production and process equipment. This noise is a primary community complaint. Kinetics Noise Control engineer and manufacture environmental noise control products and solutions that effectively and efficiently mitigate noise from oil and gas operations.

Kinetics Noise Control offers more than 55 years of successful experience solving noise and vibration control problems worldwide. KINETICS features the largest selection of standard and custom engineered noise, vibration isolation, seismic and wind restraint products and systems used for oil and gas exploration, drilling and compressor operations. KINETICS’ engineering and design experience guarantees you will get the right solution for your project, competitively priced and delivered on time. Every product we manufacture is designed and inspected to meet all applicable standards for quality, durability and safety. All KINETICS’ noise control product performances are independently tested per applicable ASTM acoustic standards.
NOISEBLOCK™ Barrier Walls

A partial or complete NOISEBLOCK™ modular barrier wall system effectively mitigates oil and gas process and equipment noise. KINETICS designs and manufactures barrier wall systems that are professionally engineered to meet all applicable codes and standards (wind, snow, rain and seismic). In addition they are manufactured with durable materials meant for outdoor use and very long service life. The double-wall, acoustic panels can be quickly and easily assembled to provide complete or partial wall systems. These panels are factory manufactured to size, making field cutting unnecessary, hence no need to allow extra room for drop/waste at a busy jobsite. The panels are designed to provide optimum noise control by inherently providing both sound absorption and sound transmission loss. All panel types are independently tested in accordance with applicable ASTM acoustic test standards.
NOISEBLOCK™ Curtain Walls

**KINETICS™** Model KFA-ENV fiberglass absorbers and KBC-ENV fiberglass/barrier composites are acoustical attenuation blankets and blanket/barrier composites that are used to reduce reverberant (reflected) airborne noise outdoors as well as block transmitted airborne noise. They are exceptional at controlling low frequency noise. These products are an excellent cost effective solution to control outdoor noise generated by oil and gas operations. They are UV, flame, tear and rot resistant. Additionally, they endure a wide operating temperature range, can be cleaned and are unaffected by moisture, humidity, dust, dirt, oils and most chemicals. Flexible quilted absorbers are easy to install, will not degrade and have extremely long service lives.
NOISEBLOCK™ Buildings and Enclosures

NOISEBLOCK™ modular buildings/enclosures can be used to partially or fully enclosure midstream compressors. These systems can be designed to fully enclose the engine and compressor or the engine, compressor and cooler. KINETICS designs and manufactures complete single or multi-compressor NOISEBLOCK™ building systems and skid mounted/removable enclosures. These systems are professionally engineered to meet all applicable codes and standards (wind, snow, rain and seismic) including properly silenced ventilation. In addition, the modular panels are factory-fabricated with durable materials meant for outdoor exposure. The double-wall, acoustic panels are designed to be easily installed and are factory manufactured to size making field cutting uncessary, hence no need to allow for drop/waste at a busy jobsite. The panels are designed to provide optimum noise control by inherently providing both sound absorption and sound transmission loss. All panel types are independently tested in accordance with applicable ASTM acoustic test standards.
Ventilation Silencing Products

When designing noise abatement solutions for oil and gas operations, it is important to consider the effects of noise control products on the performance of the mechanical equipment. A successful solution is one that controls noise, but does not degrade the performance or cause harm to the equipment. The equipment or system must be vented properly to not overheat. Proper ventilation introduces the need for ventilation silencing products. **KINETICS** manufactures a complete line of airflow attenuation products to control noise propagating through the building and enclosure ventilation systems.

**KINETICS** ventilation silencing products are constructed standard of 16 gage solid outer skins and 22 gage perforated inner skins; all material is galvanized steel, Type G90; other gages and materials are available upon request including factory painted finish. The acoustic grade fill is suitable for outdoor exposure. All products are manufactured in sizes and types designed for a particular application with respect to noise reduction, allowable system pressure loss, airflow and space limitations.

**Silencers**

- **Rectangular Straight**
- **Rectangular Elbow**
- **Circular**
- **Acoustic Louver**
- **Acoustic Louver** (No through line of sight)
- **Pressure Relief Silencers**
Retrofit Products

**KINETICS** manufactures a complete line of noise control products that can be used to add absorption, sound blocking, ventilation and pressure relief silencing. These products can be incorporated into new site planning or retrofit for existing building systems. Need something off the shelf? **KINETICS** maintains a large inventory of high quality standard products for fast delivery.

**Barrier Material | Model KNM**
Mass-loaded vinyl barrier material for enclosing noise, or lagging to equipment casings.

**Noise Control Curtain Systems**
**Model KNC**
Rugged, durable, cost effective noise control enclosures.

**Barrier Composites | Model KBC**
Flexible, rugged, high performing acoustical composites for sound absorption and blocking.

**Pipe and Duct Lag**
**Model KNM-100AL**
Fire rated barrier with a reinforced aluminized facing for direct lagging to piping and ductwork with fiberglass decoupler option.
**Quilted Face Fiberglass Absorber**  
**Model KFA**  
Durable, fire resistant, acoustical attenuating fiberglass acoustical blankets. Used to reduce reverberant airborne noise.

**Panel Absorber** | **Model KNP**  
Rigid, perforated aluminum, galvanized or stainless steel wall and ceiling panels for noise control, indoor or outdoor, around noisy equipment.

**Sound Absorber Panel** | **Model S4**  
Heavy-duty wall and ceiling panels for control of low to mid-frequency reverberant sound.