ECHO BARRIER®
Environmentally Sound

The benefits of our portable acoustic barriers

Echo Barrier leads the world in combating noise pollution with its modular system of temporary portable acoustic barriers.

Widely endorsed and certified, locally and internationally, Echo Barrier is the first choice for responsible operators who prioritise both performance and sustainability.

Echo Barrier's patented acoustic technology is the key to cost-effective noise management across a multitude of short-term and long-term projects in the fields of construction, demolition, maintenance, renovation, utilities and even public events.

Our innovative noise-absorbing barriers are durable yet lightweight, so they are easy and safe to manoeuvre, making the system quick to deploy both outdoors and indoors. Comprehensively tested and constructed to rigorous environmental standards, the Echo Barriers also limit the spread of dust and debris and withstand extremes of heat, cold and humidity.

Tel: + 44 (0) 845 561 3256 | echobarrier.com | info@echobarrier.com

Benefits

Performance
Thanks to Echo Barrier's patented acoustic technology, the panels absorb noise and prevent reverberation. In the field, noise levels are reduced by between 10 and 32 dB. Independent laboratory tests have recorded noise reduction of up to 43 dB.

Installation
Echo Barrier's acoustic panels are readily fitted onto standard fencing, perimeter fencing, plywood fencing, metal panels, scaffolding or any existing structure that can bear the increased load. A dedicated installation kit is available, though standard zip ties and flexi ties can also be used. Heavy-duty eyelets/grommets run along the edges of the panels, so that they can be fitted securely – overlapping if necessary – to precisely the required dimensions and to achieve optimum noise reduction.

Handling and quick deploy
Echo Barrier's innovative acoustic panels are designed for easy transportation and for quick installation and disassembly. Compact, durable and light in weight (as little as 5.5 kg/12 lb), they are flexible and self-lock when rolled up.

All this means that you can make best use of time and manpower as you respond to urgent, short-term or long-term needs for noise mitigation.

Safety
Echo Barrier acoustic panels are safe to handle: they contain no fibreglass or hazardous materials. To maximise safety at night-time or in dark areas they are fitted with reflector strips. BS 7837-1996/ ASTM E84 fire tests have been carried out on the full H-series range of acoustic barriers.

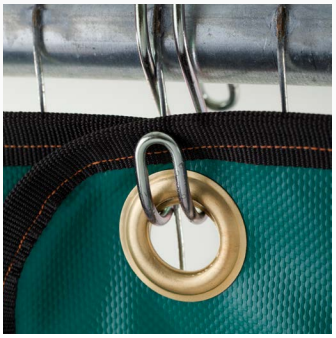
Resistance to water and extremes of temperature
Independent tests prove that Echo Barrier acoustic panels do not absorb water when exposed to heavy rain or when jet-washed. They have also been proven to withstand extremes of temperatures – from 70°C (160°F) down to minus 40°.

Durability
Echo Barrier's acoustic panels, with their rugged PVC exterior and heavy-duty eyelets/grommets, are designed for durability under tough conditions. They can be relied upon to mitigate noise effectively for many years.

Appearance and image
Echo Barrier's acoustic panels are not only highly effective and practical, they are designed with a professional image in mind. They are easy to clean, maintain their appearance over time and can be customised with corporate branding and graphics.

Support
Echo Barrier's own teams provide technical support to the highest standards, advising on how best to configure the panels to achieve optimum performance.

Awards and accreditations
Echo Barrier's modular system of acoustic panels has won numerous awards and is recognised by both the Noise Abatement Society and the Institute of Acoustics.




Key features

- Superior acoustic performance (up to 43 dB reduction)
- Lightweight (5.5 kg/12 lb) for easy one-person handling
- Weatherproof/industrial durability
- Unique roll-up design for compact storage and transportation
- Quick deploy
- Fire resistance (Tested to BS 7837-1996/ASTM E84)
- Safe to handle/no fibreglass or Rockwool used
- Tensile tested (5.85 kN vertical, 1.1 kN horizontal)
- 24-month manufacturer's warranty

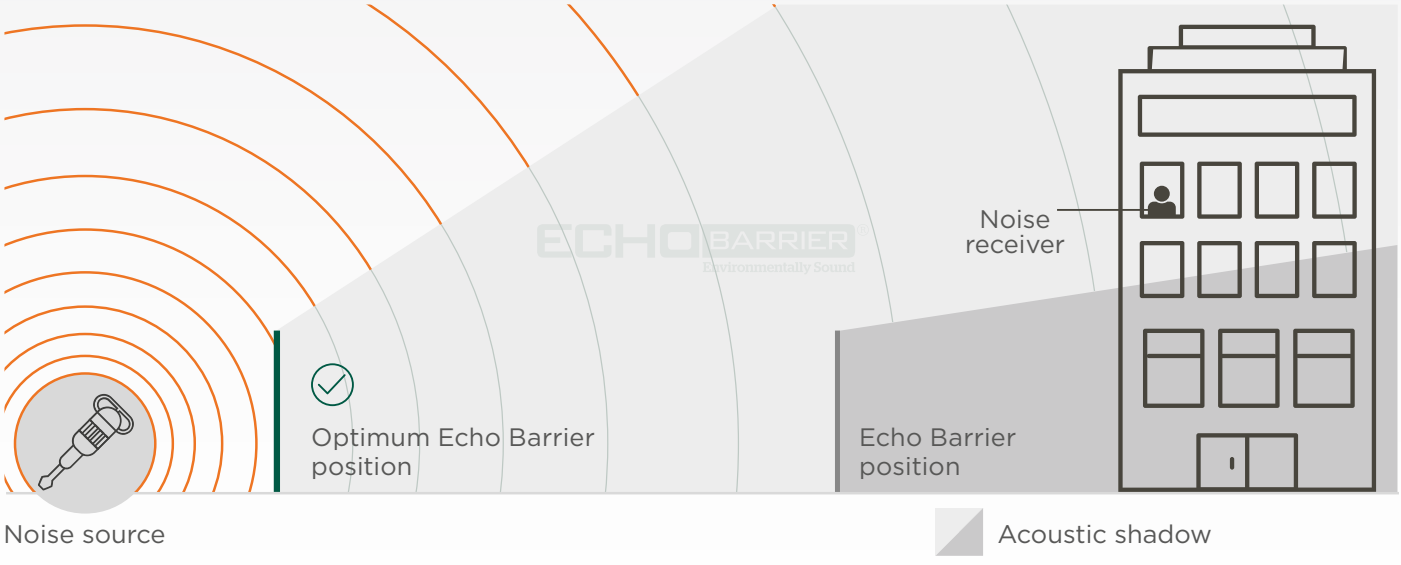
Technical data

Acoustic performance	
Lab	Up to 43 dB reduction
Field	10 to 32 dB reduction
Dimensions	
Height	2050 mm (6 ft 9 in)
Width	1335 mm (4 ft 5 in)
Rolled	400 mm diameter (1 ft 4 in), 1335 mm (4 ft 5 in wide)

All laboratory results and individual product specification sheets can be obtained on request from info@echobarrier.com

Effective installation

The lightweight Echo Barriers enable placement versatility along a jobsite's perimeter or directly in front of the noise source for optimum mitigation.



Construction

Echo Barrier's modular system of acoustic panels provides cost-effective, sustainable noise management for a multitude of construction projects – indoor and outdoor, short-term and long-term. Flexible, resilient and durable, the panels are quick and easy to deploy. They also reflect a professional, responsible corporate stance on workforce, community and the environment.

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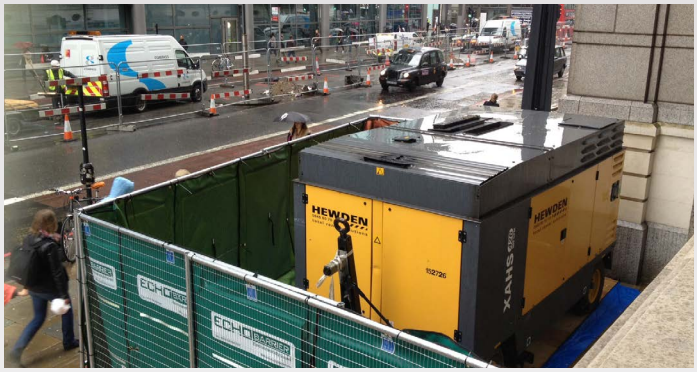
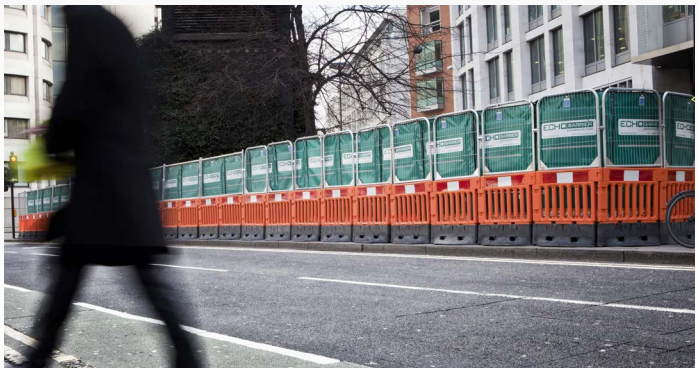
Generators and power sources

Echo Barrier's acoustic panels benefit the working environment by substantially mitigating the noise produced by generators, power sources and machinery.



Road and rail

Around the world, Echo Barrier plays an important role in construction and maintenance work in the transport sector. By helping to minimise disruption to the public, Echo Barrier's acoustic technology favours the successful execution and completion of time-constrained projects.



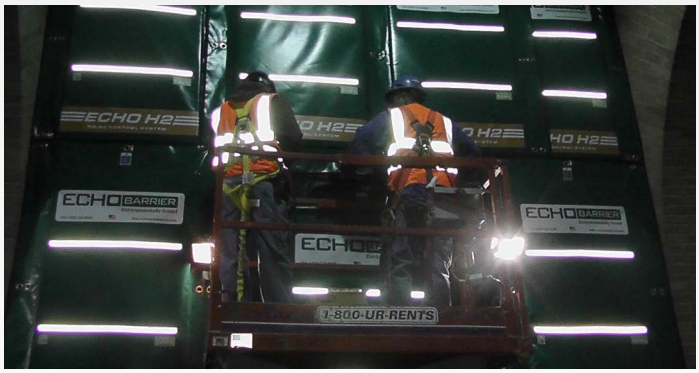
Oil and gas

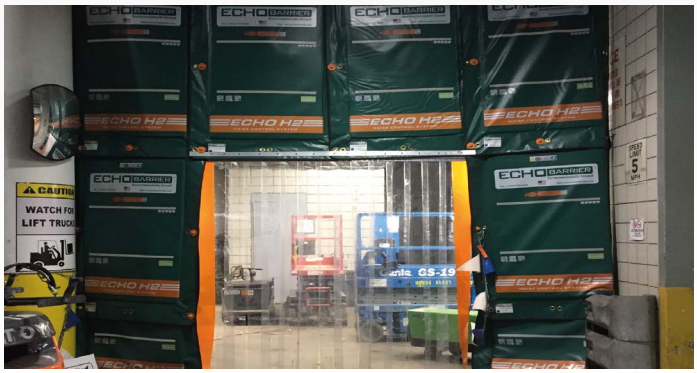
Oil and gas projects on both land and sea make productive use of Echo Barrier's acoustic panels. By substantially mitigating noise, the panels protect the environment and the well-being of operatives and communities.




Refurbishments

In the context of refurbishment projects, Echo Barrier's panels limit and contain noise, dust and debris, streamlining operations and enhancing the overall working environment.





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Outdoor and indoor events

At concerts and festivals, sporting events, exhibitions and trade shows, Echo Barrier's acoustic panels can serve both to maximise enjoyment and communication at the event itself and to protect communities in its vicinity.

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Other applications

- Maintenance
- Equipment
- Pilling rigs
- Outdoor gun ranges
- Utility works
- Airports
- Heliports
- Hospitals
- Theaters
- Schools
- Sporting events