

**45
-45 dB**

Sound Reduction Specialists

minus45db.com

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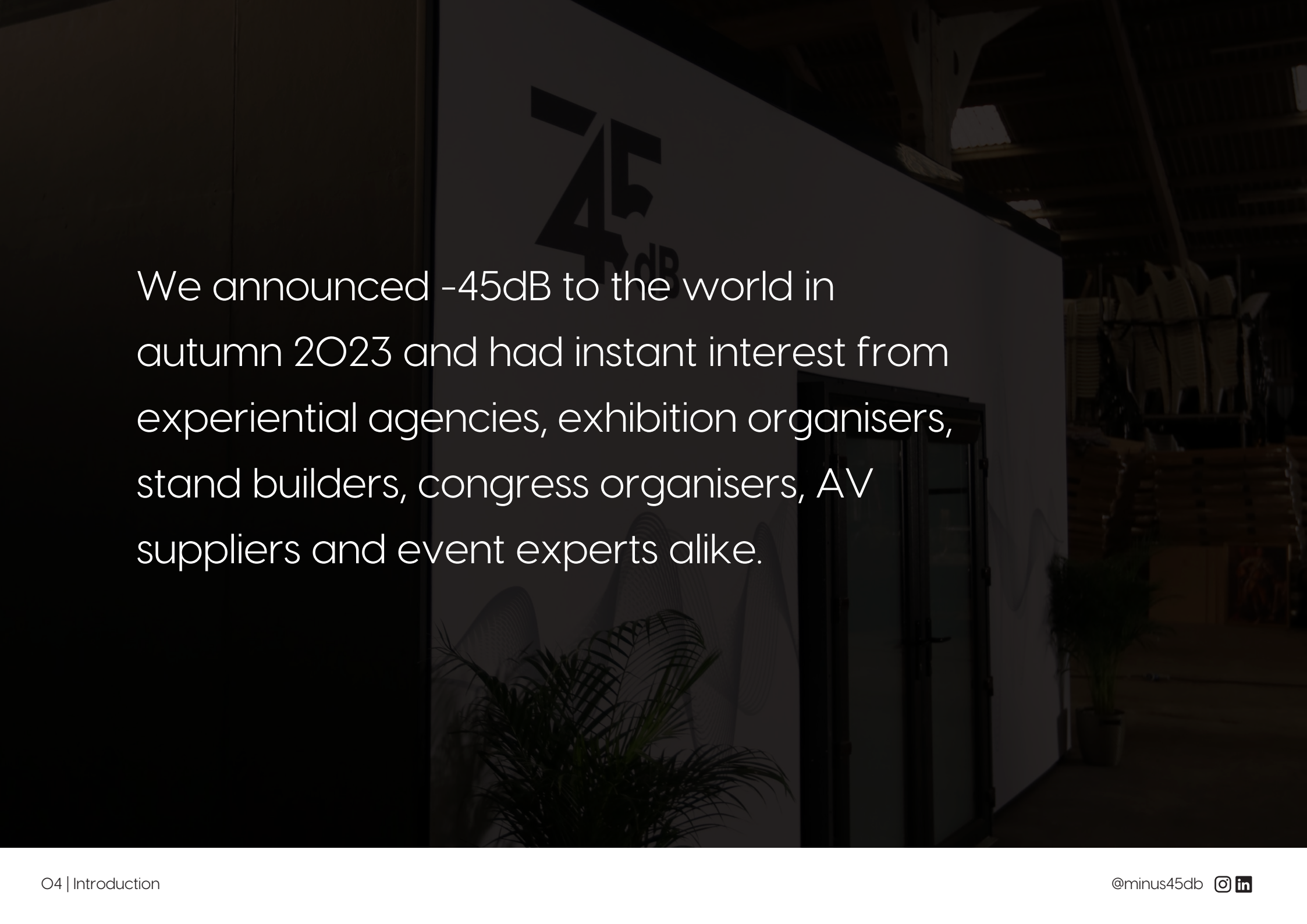
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Deliver content with no compromise. Create spaces with up to 45dB sound reduction.

Arrives modular. Looks permanent. Leaves no legacy but the experience.

Any size, any function, rooms come fully equipped for the same stunning performance.





We announced -45dB to the world in autumn 2023 and had instant interest from experiential agencies, exhibition organisers, stand builders, congress organisers, AV suppliers and event experts alike.

Create unrivalled conference & meeting experiences anywhere with our modular sound-reduced rooms.

Up to 221sqm+, pillarless, equipped with everything you need and offering up to 45 decibels of sound reduction.

A unique solution

Our innovative design (patent pending), is not comparable to general-purpose exhibition systems or shell scheme.

We're literally built differently; a modular system for creating rooms developed specifically with sound reduction in mind.

45dB

**SHELL
SCHEME &
EXHIBITION
WALLING
SYSTEMS**

Up to 45dB sound reduction



Solid ceilings: Effective sound reduction not possible in open spaces



No unsightly box bracing on walls reducing usable room area



Air con included



Specifically designed for this purpose



-45dB sound reduced rooms in action



Rooms to enhance the event experience

Unparalleled performance

Sustainably built spaces with up to 45dB sound reduction, using an innovative design not comparable to general-purpose exhibition systems.

Have it your way: customised full-service

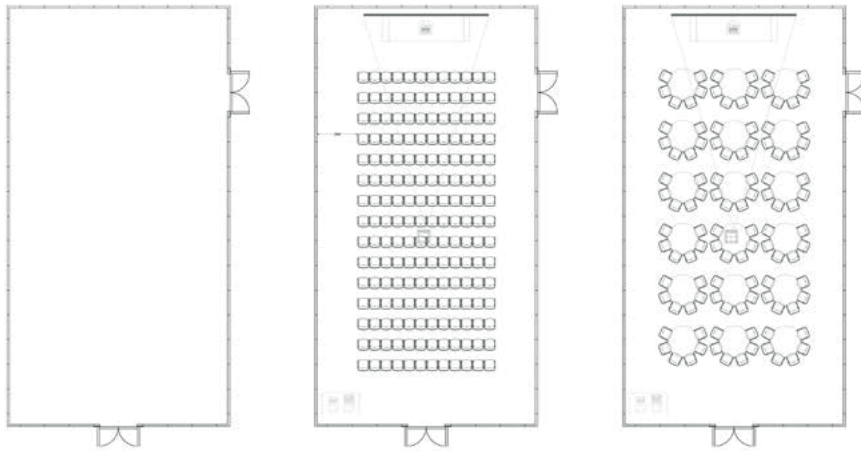
We can customise the look, feel and inventory included with each room with graphics, furniture, AV and everything you need to tailor the offering to your needs.

Supercharging sponsor engagement

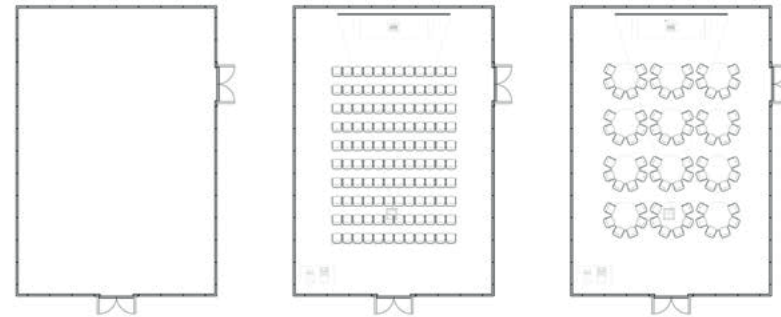
Develop new revenue streams using branding and personalization options on offer to organisers, exhibitors, and sponsors.

-45dB layout examples

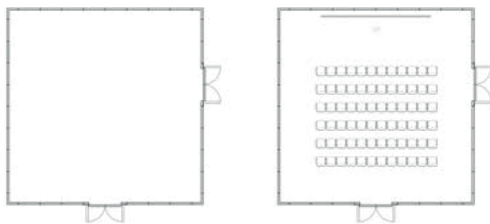
221sqm Room



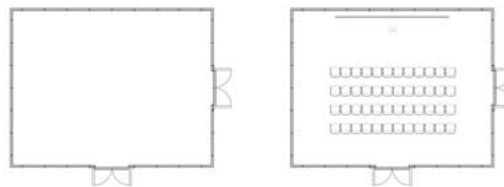
170sqm Room



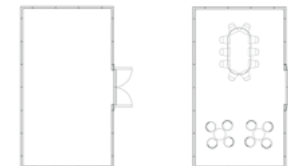
117sqm Room



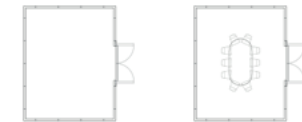
91sqm Room



40sqm Room



29sqm Room



Our sound reduced room features



Close-up features



Electrics

Power panels featuring USB connections, ISDN port, light switch, and sockets.

Colour co-ordinated with the sleek room design.

External fuse box to allow for engineer access.



Air Conditioning

State of the art AC unit.

Heats or cools the room to your desired temperature.

Remote controlled.

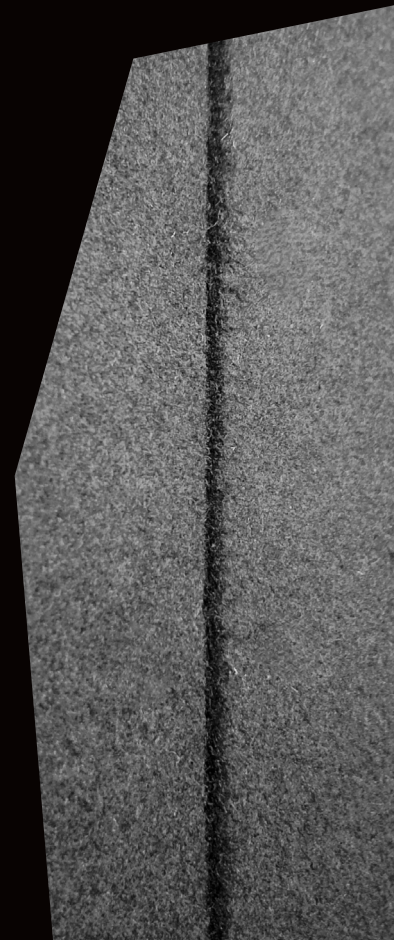


Doors

Heavy-duty sound-reducing doors.

In-set into rooms.

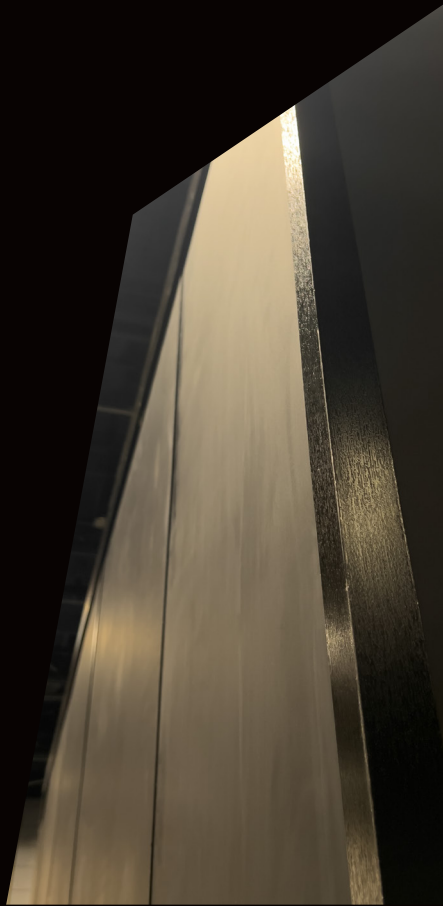
Lockable for on-site security.



Modular Panelling

Sound-reducing panels seamlessly interlock to create custom sized modular rooms and theatres.

Purpose built design.



Finish

Premium finish throughout.

Internal walls feature sound-reducing fabrics.

External walls feature wooden corner edges.



Truss

Built-in truss system.

Boundless rigging points for AV requirements and promotional displays.

Our theatres



-45dB theatres in action



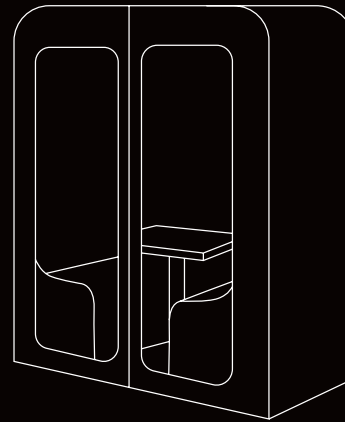
Our meeting pods



-45dB sound-reduced meeting pods

Create a productive, high-spec meeting or working environment at an event with up to 45dB of acoustic sound reduction.

Our pre-fabricated meeting pods come in a variety of sizes and are simply dropped into position with minimal onsite work to do. Pods can be fully branded for the ultimate promotional opportunity or to seamlessly fit into the experience you are creating.



2 Seat Pod



4 Seat Pod

-45dB meeting pods in action



What you should know about us...

-45dB is owned by leading suppliers of the events and exhibitions industry Thorns Group, and is managed under the same expert operations.

1,965
lorries

Lorries moved in 2023

67
employees

Number of full time employees

2.1
million

Number of items in stock

1,930
events

Events supplied in 2023

298
exhibitions

Exhibitions supplied in 2023

70
years

Years in the industry

Sustainable approach

The most sustainable way to create temporary sound-reduced rooms to this acoustic specification and performance.

Our modular system for creating sound-reduced rooms outperforms any other build methodology or materials in sustainability terms whilst offering up to 45dB sound reduction. A standalone business in its own right, -45dB is a wholly owned part of Thorns Group and as such takes advantage of the operational expertise, infrastructure and experience behind it, including much of the operating procedures outlined in their sustainability policy and Net Zero roadmap.

The product is anticipated for first activations in early 2024 and we will undertake additional case studies in future, to further demonstrate the versatility and sustainability of the -45dB modular builds.

Sustainable action



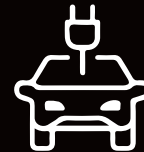
Reusable Stock

Our modular stock, equipment, and all elements of our products are designed to be long-lasting, and able to return to stock for reuse over lengthy periods.



Energy

We are committed to working towards a net zero roadmap and will continue to develop our processes to that goal.



Transport

We have a rolling investment programme in increasingly sustainable vehicles and meticulously plan to minimise journeys. Palletised and flat-pack elements reduce the number of logistics needed.



Materials

Sustainably sourced and accredited wood and supplies, continuous use of recycled and recyclable materials, and a reduction in single use packaging all positively contribute to our sustainability action.

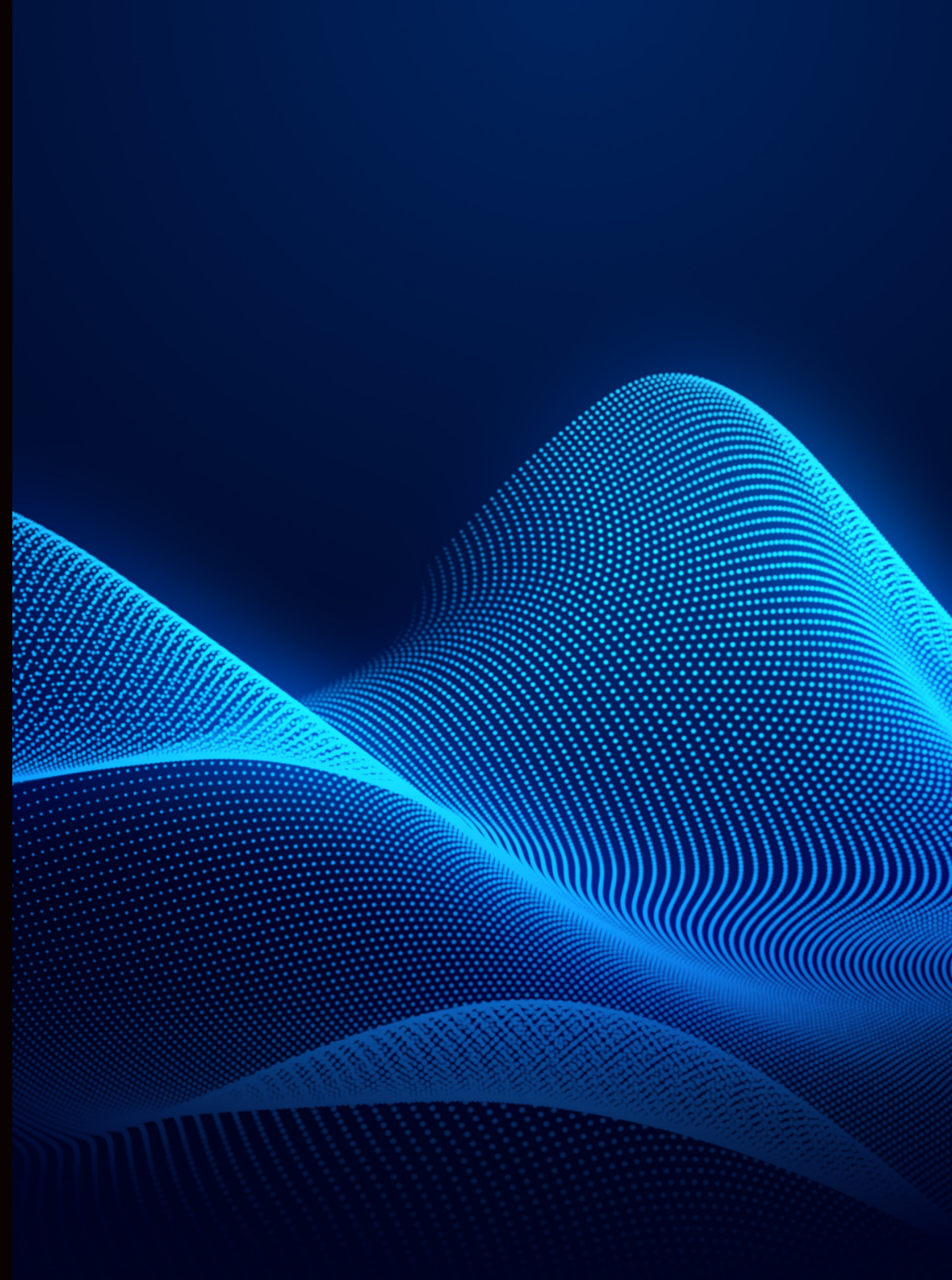
The science

The ambient noise at a typical exhibition is around 80dB. Inside our rooms the external noise is significantly reduced by up to 45dB, greatly enhancing the event experience.

There are four fundamental principles of noise reduction to reduce the transmission of sound from one space to another: dampening, absorption, mass, and decoupling.

By applying these four principles in combination, we have created a unique, effective, noise reduction system built into the modular wall and ceiling panels we use to construct the rooms.

Read more on the science at
minus45db.com





Sound
Reduction
Specialists

Let's talk some more...

For more details, get in touch with our expert team:

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@minus45db

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