

THE CHALLENGE

Existing acoustic materials do not meet the challenges of the increasingly noisy modern world.

Low-frequency noise is one of the hardest problems in acoustics. Industries like construction and aerospace rely on thick, heavy, petroleum-based materials that are inefficient, unsustainable, and increasingly non-compliant with tightening global regulations.

Innovation in the space has stalled, focused on incremental improvements rather than real breakthroughs.

THE SOLUTION

SoundBounce is an advanced acoustic material that is more effective than traditional materials – with technology never before used in the acoustics and vibration field. SoundBounce is a composite acoustic material, using a thixotropic fluid core housed within a custom cellular structure. It is specifically engineered for acoustic damping representing an entirely new class of high-performance acoustic material.

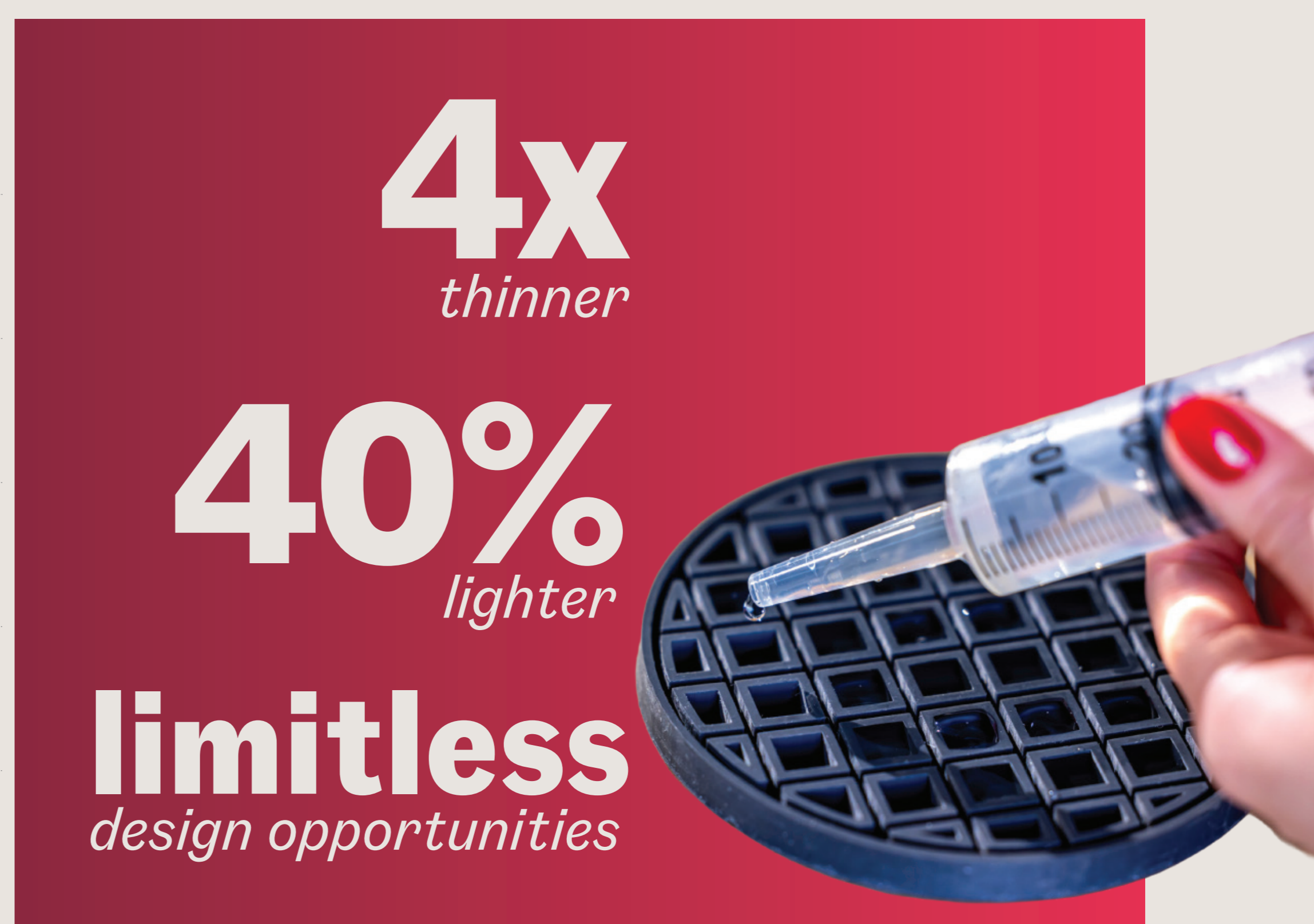
SoundBounce is redefining how the world controls noise. Designed to tackle the growing challenge of low-frequency noise pollution, our advanced acoustic material delivers high performance in a thin, lightweight, and more sustainable format than traditional solutions. It is 4x thinner, more effective, and lower in cost. By enabling quieter buildings, transport, appliances and industrial systems without compromising space, weight, or design, SoundBounce helps industries meet the demands of today's noisy world. Becoming the foundation technology for a quieter, healthier and more sustainable future.

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KEY PRODUCT INFORMATION

Space and Weight Saving	✓
Sustainable	✓
Low Cost	✓
Low Frequency Performance	✓
Regulation Compliance	✓
Broad Applicability	✓



4x
thinner

40%
lighter

limitless
design opportunities

IMPACT & APPLICATIONS

- Lios targets industries where noise reduction is essential for performance, safety, and compliance. Our primary markets include **construction, aerospace, industrial machinery, automotive, home appliances, defence, and marine.**
- The growing demand for acoustic insulation, specifically in the transport and construction sectors, is driven by the need for soundproofing applications in engines, compressors, and other components, which emit low-frequency noise.
- SoundBounce offers a thin, lightweight, and high-performance alternative that aligns with regulatory and sustainability goals. Customers can now make their products quieter, meet regulatory requirements, and save space and on costs by using SoundBounce.