GIK Acoustics New High-End Room Design

GIK Acoustics will present new research at the 159th AES Convention in Long Beach, California next week, sharing an innovative approach to high-end room design. James Lindenschmidt, GIK's VP of Acoustic Design, will present: "Modular, Shippable Acoustic Treatments for High-End Mastering Rooms: A Case Study with Adam Ayan," taking place on Wednesday, October 23, at 4:00 p.m.

The whitepaper explores a modern solution to the long-standing challenge of achieving world-class acoustic performance without permanent construction. For decades, mastering facilities have relied on fixed architectural treatments built into the fabric of the room, and while this method can produce exceptional results, it also limits engineers to one configuration and one location.

As workflows evolve and hybrid or mobile setups become the norm, studios are looking for more flexibility without compromise. This principle inspired GIK Acoustics' modular design philosophy, which Lindenschmidt's paper explores in depth through a collaboration with Grammy Award-winning mastering engineer Adam Ayan. Using GIK's Sound Block system, Ayan Mastering achieved acoustic results that not only matched but surpassed his previous fixed-architecture facility at Gateway Mastering - all while remaining fully modular, movable and globally shippable. "This build shows clearly that modular doesn't mean compromise," says

Lindenschmidt. “With the right engineering, modular systems can equal or outperform traditional construction and still give engineers the freedom to evolve their spaces as formats and technologies change.”

Lindenschmidt’s AES session will outline the design and build process behind Ayan Mastering, presenting comparative spectrogram data between the new modular room and the original Gateway facility. The results show tighter low-frequency control, more consistent decay times, and a smoother overall response, all achieved with modular broadband treatments that can be manufactured off-site and assembled anywhere in the world.

This research marks a key step forward for modern studio design. As demand grows for precision acoustic environments in remote, mobile and hybrid spaces, modular systems such as GIK Sound Blocks are poised to become a staple in mastering, mixing, broadcast and immersive audio spaces, bringing world-class performance to more creators than ever before. Join GIK Acoustics at AES Long Beach on October 23 at 4:00 p.m. - Register for the session here.

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