

L-Acoustics L2 Delivers Future-Ready Professional Sound System at Arènes de Grand Paris Sud, Europe's First Official E-Sports Team Home Arena

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Les Arènes de Grand Paris Sud

Fleik and Concept K design a versatile audio solution for one of France's most dynamic

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multipurpose venues following €35 million renovation

Évry-Courcouronnes, France - October 2025 – Originally built in 1975 and previously known as Les Arènes de l'Agora, the Arènes de Grand Paris Sud has been transformed into a state-of-the-art cultural and sporting destination following a comprehensive five-year, €35 million renovation. Part of the ambitious Grand Paris project aimed at injecting new employment and cultural opportunities into the suburbs surrounding Paris, this striking contemporary venue now serves as the prominent cultural, concert and sports arena in the South of Paris, with capacity for up to 3,000 spectators.

The arena has quickly established itself as a groundbreaking multipurpose space, conceived as a flexible performance venue that regularly transforms from a seated theatre to a standing concert hall, sports venue, or central-stage e-sports arena. Most significantly, when the venue was commissioned as the official home of France's leading e-sports team, Karmine Corp, it became the first arena in Europe to serve as an official home to an e-sports team. This diversity of programming spanning live music, theatre, martial arts, conferences, and digital competitions, demanded a professional sound system capable of adapting instantly to every configuration.



Europe's first official E-Sports team home arena, Arènes de

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Grand Paris Sud, integrates an L-Acoustics sound system

Management turned to AV consultants Concept K to meet this challenge. To ensure seamless design and delivery of the audio system, Concept K engaged trusted collaborator Fleik, specialists in audiovisual integration consulting and Monitoring Potar Hurlant for system integration.

“Versatility and modularity were the guiding principles from the start,” says Jérémie Kokot, Co-Founder at Fleik. “The venue needed an audio solution capable of delivering consistent, high-quality sound across very different configurations, whether for a symphony, a rock concert, a basketball game, or a high-energy e-sports match.”

Flexible L2 Line Source Conquers Complex Architecture

The main challenge at this venue was ensuring flawless coverage in a space designed to be reconfigured at speed. The arena's modular architecture required an installation that was powerful yet discreet, high-performance but without compromising sightlines. Mounting constraints meant the system had to integrate harmoniously with the building's geometry while offering rapid adaptability for multiple stage setups.

To meet these requirements, Fleik and Concept K specified a system centered on the L-Acoustics L2 line source. “L-Acoustics systems offer powerful tools such as Dmin/Dmax which allow the gauge to be precisely adjusted according to the event configuration. This provided us with great flexibility with perfectly controlled sound coverage, whether the venue is hosting an intimate concert or a large-scale e-sports competition. The compactness of L2 was also a determining factor in the final choice,” says Kokot. “The roof structure and bleacher positions demanded a system that could be flown relatively low without obstructing views. L2's form factor and sonic power made it ideal.”

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The team used L-Acoustics Soundvision software to optimise performance long before the system was installed. Audience areas were first defined in Vectorworks before being exported to Soundvision, where multiple scenarios were simulated. “Soundvision allowed us to anticipate acoustic challenges and fine-tune coverage,” says Kokot. “This streamlined calibration and reduced risks, making deployment far more efficient.”

The final design deploys two L2 modules to cover the upper seating tiers, complemented by two L2D modules to ensure even coverage across the lower levels. Four KS28 subwoofers flown in a cardioid configuration adjacent to the L2 to deliver powerful yet controlled low end. A central cluster of two A15 Focus provides additional energy for the front rows, while an A15 paired with an X12 per side provides out-fill. For the very first rows, eight X8 front-fills bring clarity and balance, seamlessly blending with the larger system. Monitoring is managed by six X12 speakers.

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System management is anchored by an L-Acoustics P1 processor, which guarantees flexible connectivity with the venue's Yamaha DM7 mixing console or any visiting desk, while ensuring reliability and simplified workflow. Processing is managed by four LA7.16i, two LA12X and five LA4X.

Milan-AVB Network Integration Future-Proofs the Venue



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Another key design choice was full integration into a unified AV network. Concept K recommended a Luminex based infrastructure, supporting Milan-AVB implemented with redundancy across primary and secondary networks. This integration links audio, lighting, video, and intercom systems, delivering robust, low-latency synchronisation across all technologies while ensuring cost efficiency and scalability for future needs. All L-Acoustics electronics utilize Milan-AVB technology, ensuring seamless integration across the entire system.

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L-Acoustics Partnership Ensures Optimal Performance

Throughout the design process, Fleik maintained close communication with the L-Acoustics applications team. "Their support was invaluable in defining the best possible deployment," Kokot notes. "It was a genuine partnership that ensured the system delivered exactly what the venue required."

Swift Adoption and Outstanding Results

Given the venue's reliance on freelance professionals already well-versed in L-Acoustics workflows, adoption was swift. Operators quickly adapted to the new system, leveraging LA Network Manager and associated tools for streamlined daily use.



Versatility and modularity were at the centre of the L-Acoustics sound system design

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Early reactions from productions and artists have been overwhelmingly positive. Venue Director Lucas Paez expressed his satisfaction with the installation: "The system delivers exceptional clarity and consistency. Whether hosting e-sports tournaments with Valorant RIOT Games, a Karmine Corp match, or a touring concert, the sound has been universally praised. It adapts seamlessly to every configuration."

L2 System Transforms Operations and Secures Future Success

The agility of the L2-based solution has already improved the arena's operational efficiency. By minimising setup and calibration time between productions, the system enables faster turnover and greater scheduling flexibility. This translates to time savings for technical teams and smoother transitions for incoming shows.



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Most importantly, the installation positions the Arènes de Grand Paris Sud as a future-ready venue. "This audio system ensures the arena can accommodate the most demanding productions while remaining adaptable to evolving audiovisual standards," says Kokot. "It secures the venue's reputation as a leading destination for culture, sport, and digital entertainment in the Paris region."

About L-Acoustics

L-Acoustics has been shaping the future of sound since 1984 through trailblazing innovation. Our European-designed and manufactured solutions deliver premium sound experiences from the most intimate immersive spaces to the largest stages. L-Acoustics is the #1 brand chosen by the world's largest music festivals and installed in over 13,000 premium venues from music halls, theaters, and sports entertainment to wellness, hospitality, homes and yachts.

Our team of 1,000 employees, including 20% in design, research, and development, conceives the industry's most award-winning and transformative sound reinforcement technologies, including the modern line source array V-DOSC, L-ISA immersive hyperreal solutions, and the eco-conscious, performance-leading L-Series. These technologies have led to the company being honored with a Decibels d'Or and featured in Fast Company's most innovative companies.

With major hubs in Paris, Los Angeles, London, and Singapore and a network of trained service providers present in 80 countries, our technologies power the most demanding live events and memorable sound experiences, from Adele's Las Vegas residency to the world's largest sports events, from the Zaha Hadid-designed Guangzhou Opera House to the Philharmonie de Paris Concert Hall.