

CASE STUDIES

Martial Arts Palace

Location: **Nur-Sultan city, Kazakhstan**
Systems: **Event-210A & Factor-8T**



SOUND WITH SOUL



Martial Arts Palace

32,000 sqm and 5,000 seats; Infoline LLP chose DAS Audio for one of the most ambitious audio installations in Nur-Sultan city in Kazakhstan.

The young capital of Kazakhstan is one of the fastest growing cities in the country in the business, health, academic and cultural sectors.

This spectacular growth has sparked the appearance of unique and impressive sport infrastructures, being the Martial Arts Palace a clear example of the innovation that the Asian capital is carrying out in all its new construction projects. With a total of 32,000 m², the palace is designed to host all types of martial events, both national and international. Its main hall accomodates 5,000 seats and can be used for a variety of activities and events. The facilities are equipped with the latest cutting-edge security, data storage, video and audio systems, thanks to the excellent work conducted by Infoline LLP.

With over ten years of experience, it was clear to the company that DAS Audio would be the right partner for this kind of installation. The challenge was to get the right sound level in each and every area, especially in the main arena, where it was vital to guarantee that music and voice could be heard without any distortion, given the large size of the hall. This challenge would offer the audience an unparalleled experience, both at the main arena as well as in the other halls of the sports palace.





SYSTEMS DEPLOYED

84 Event-210A
Main Arena

9 Factor-8T
Conference room

5 Factor-8T
VIP Lounge

At the main arena, the distribution of the systems was strategically designed to achieve uniform SPL and tonal balance throughout the audience. Infoline LLP opted for 84 Event Series line arrays, in particular the Event-210A, a 3-way powered model that ensures high pressure and intelligibility in both voice messages and music reproduction, turning the main arena into a completely versatile space. The system's ease of use and installation means that maintenance and adjustment do not require additional efforts to generate a spectacular experience.

Completing the rest of the installation, the Factor-8T system was presented as the ideal choice. This full-range loudspeaker houses an 8" low frequency transducer with a 1.5" voice coil. The high frequency unit is a 1" soft dome ferrofluid cooled tweeter featuring wide dispersion characteristics to cover large areas and provide exceptional sound quality in any room.

BI Group, one of the largest construction companies in Kazakhstan in charge of all the building work, expressed their satisfaction and enthusiasm about the results achieved for Infoline LLP and the quality of the sound and customer service offered by DAS Audio. The DAS Audio systems were not the only ones present at the stadium; our engineers were also onsite during construction to make all the necessary adjustments before installing the system.

"Despite our years of experience in this type of construction work and stadium installations, we had never heard a sound with the quality and exceptional intelligibility offered by DAS Audio systems."

Kazakhstan's Martial Arts Palace has become one of the best national and international venues to host sporting events of this kind. Let the show begin!





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