

## INSTALLATION

6K United,  
Mercedes-Benz  
Arena, Berlín

**6K United, a 360° production  
with 6,000 youthful voices**

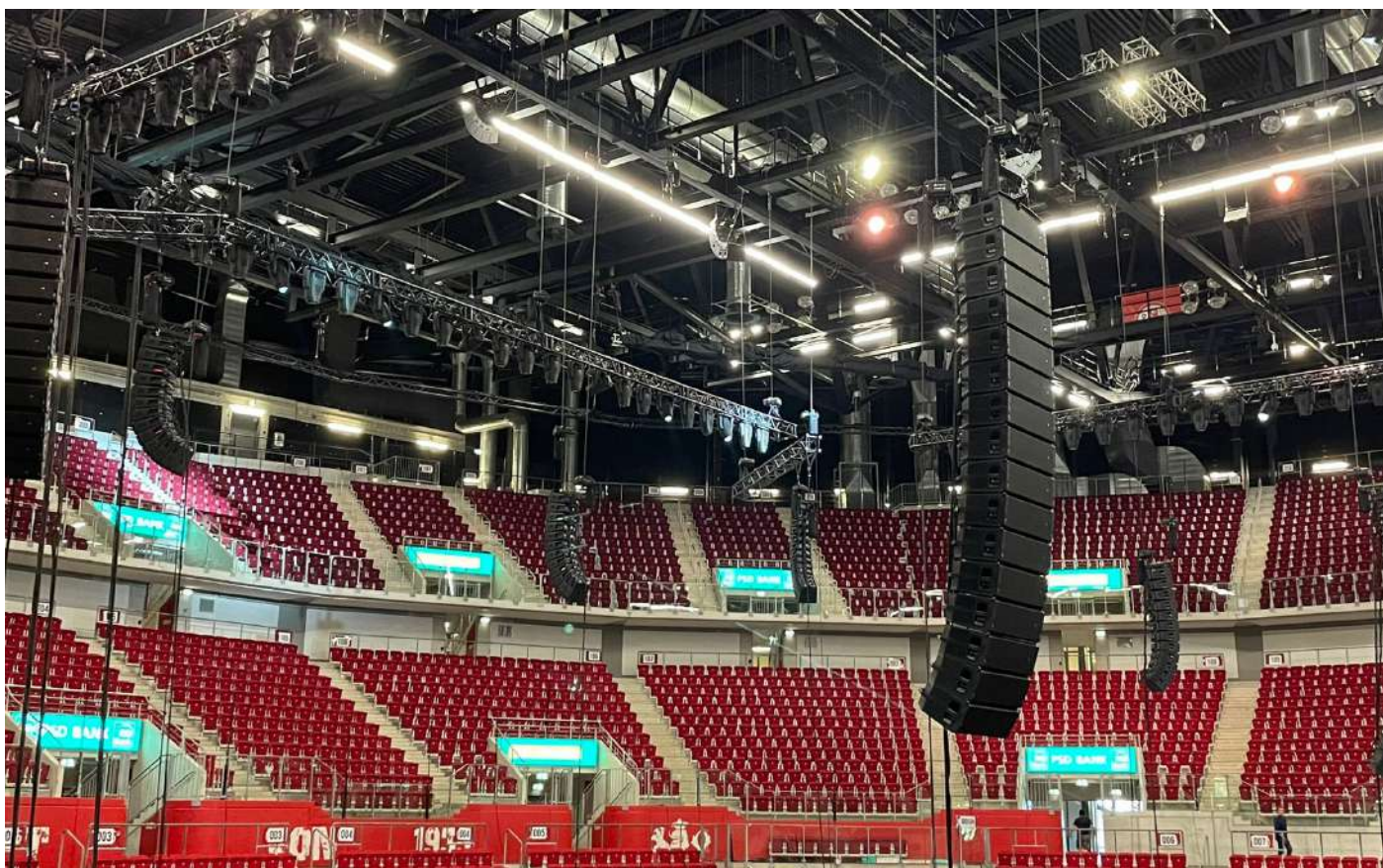


SOUND WITH SOUL

## 6K United, Mercedes-Benz Arena, Berlín

### Introducción

6K United is one of the most ambitious choral educational projects in Germany, bringing together 6,000 children from different schools and choirs to deliver an unprecedented spectacle. The initiative was created with the goal of promoting choral music among young people, fostering values such as collaboration, inclusion, and passion for music. Since its first edition, this event has grown into one of the most anticipated educational music events in Germany. Preparing for the show requires months of work, with intensive rehearsals at both local and group levels, culminating in a massive performance in a professional setting.



With a 360° production, this event posed a major technical challenge: ensuring uniform sound coverage in such a complex space while delivering an immersive experience for both participants and the audience. The challenge was even greater given the presence of 6,000 children on stage, each with a unique voice that needed to be captured and projected with the utmost clarity and precision.

To achieve this, the organizers relied on DAS Audio and its ARA series, with a main system based on LARA, lateral reinforcement with SARA, and rear support with EVENT-26A. The cardioid technology of the LARA systems became a key advantage for the production.

Miguel Augusto, tech support at DAS Audio, highlighted: “This is a 360° production event, which represents an enormous challenge in terms of sound coverage and balance in all directions. Each child is a fundamental part of the show, so ensuring homogeneous sound across all areas of the venue was an absolute priority”.

## 6K United, Mercedes-Benz Arena, Berlín

### Challenge

The event posed several technical challenges that required an innovative solution. Since the production was designed in a 360° format, achieving a homogeneous distribution of sound throughout the venue without creating interference or zones with lower sound pressure was essential. Moreover, intelligibility and tonal balance were crucial aspects, as the children were the true protagonists of the event, and their voices needed to be heard clearly without getting lost in the mix.

Microphone management also presented a significant challenge, as it had to capture the voices of thousands of children on stage with precision, without generating feedback or affecting the overall sound quality. Additionally, optimizing rear attenuation was a key factor in minimizing unwanted reflections and ensuring a better experience for musicians and choir directors.

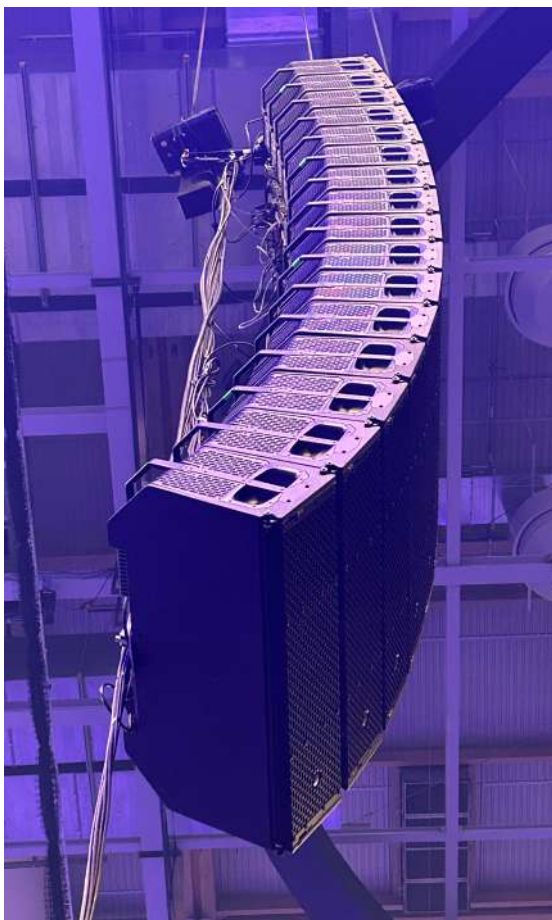
Christian Gubalke, monitor engineer, emphasized: “When working with 6,000 children, sound management is not just a technical challenge but also an emotional one. Each voice carries special meaning, and our goal was to ensure that every child felt heard and part of something extraordinary”.



## 6K United, Mercedes-Benz Arena, Berlín

### Solution

To tackle these challenges, the technical team at Melodus GmbH, alongside the technical team from TSL (owners of the system), designed a solution based on the ARA series from DAS Audio. A main system was implemented with two arrays of 16 LARA units (L+R), providing exceptional front coverage. To ensure a uniform distribution of sound across the venue's lateral areas, two additional arrays of 12 SARA units were used, while three arrays of 13 EVENT-26A units were placed at the rear, completing the coverage without compromising overall intelligibility. Additionally, 12 LARA-SUB units were deployed for enhanced low-frequency reinforcement.



### Lista de sistemas utilizados

32 x [LARA](#)  
24 x [SARA](#)  
39 x [EVENT-26A](#)  
12 x [LARA SUB](#)

The cardioid configuration of LARA and LARA SUB enabled rear attenuation of up to -15 dB in low frequencies, significantly reducing unwanted sound at the back of the stage. Moreover, an advanced choral microphone setup was designed with multiple lines and directional systems, ensuring that each voice was naturally captured and blended into the mix.

***“ This is a 360° production event, an enormous challenge in terms of sound coverage and balance in all directions. Each child is a fundamental part of the show, ensuring homogeneous sound was an absolute priority”.***

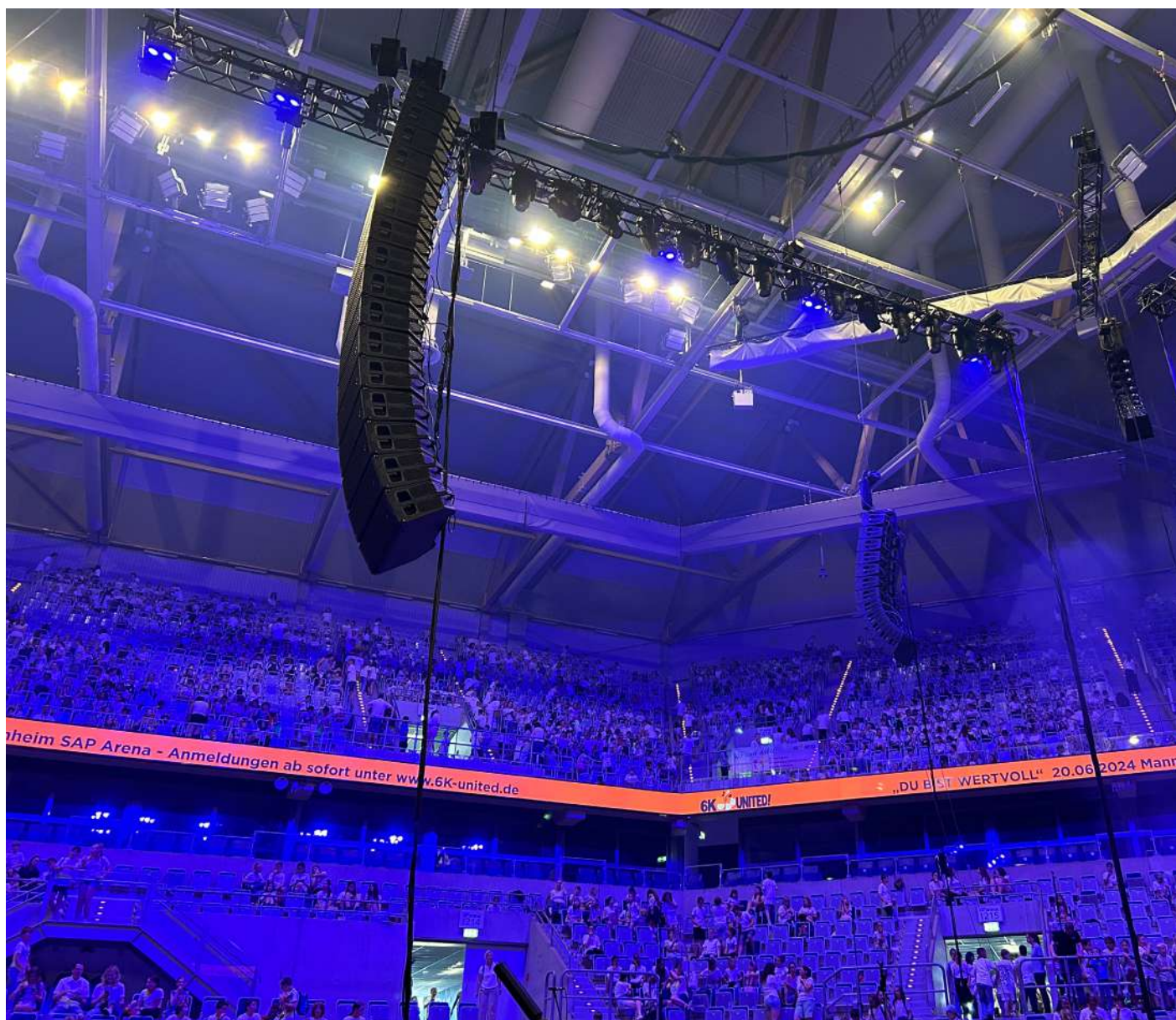
**Miguel Augusto**  
Tech support at DAS Audio

## 6K United, Mercedes-Benz Arena, Berlin

Oliver Tschotow, FOH and audio head of 6K United, highlighted the quality of DAS Audio systems: "The construction of these systems provides us with enormous headroom and clarity in microphone capture, reducing sound contamination and ensuring impeccable intelligibility. Hosting an event of this scale without feedback issues and with crystal-clear sound is something that is only possible with a well-planned setup and a high-quality system. The rear attenuation achieved with these systems is 'five stars.' It has exceeded our expectations and allowed us to deliver a flawless sound experience. The way the sound projects without causing interference on stage has made all the difference".

**“** *The rear attenuation achieved with these systems is 'five stars.' It has exceeded our expectations and allowed us to deliver a flawless sound experience”.*

**Oliver Tschotow**  
FOH and audio head



6K United,  
Mercedes-Benz  
Arena, Berlin

## Conclusion

The result was an outstanding sound experience, with uniform coverage, vocal clarity, and balanced sound pressure throughout the venue. The cardioid technology and strategic distribution of DAS Audio systems made it possible for 6K United to become a benchmark for high-quality arena productions.

Oliver Tschotow praised not only the system's performance but also DAS Audio's support throughout the process: "Not only did we have a great sound system, but we also had a manufacturer that supported us at every stage. The solution implemented has exceeded our expectations and allowed us to focus on what truly matters: the music and the emotion of the event".

**“ Not only did we have a great sound system, but we also had a manufacturer that supported us at every stage”.**

**Oliver Tschotow**  
FOH and audio head

6K United has proven that with the right technology and precise sound design, an event of this scale can be executed with spectacular results. DAS Audio continues to set the standard in the most demanding productions worldwide, offering innovative solutions for large-format events and ensuring memorable sound experiences for artists and audiences alike.



More information at  
[www.dasaudio.com](http://www.dasaudio.com)



SOUND WITH SOUL