

## L-Acoustics Brings Kinder Dreams to Stage



On October 14th, 2018, at Warsaw's PGE National Stadium, confectionary giant Kinder celebrated its 50th anniversary in style. The all-day event culminated in the *Koncert Pe?en Marze? (Concert Full of Dreams)* – a free event that featured Polish pop artists David Kwiatkowski, Natalia Szroeder, and Grzegorz Hy?e, as well as musical star Katarzyna ?aska (*Frozen, High School Musical, Enchanted*) and a full symphony orchestra. TSE Grupa was responsible for technical services at this huge show, which included everything from stage construction to an ambitious multimedia, lighting, and sound production. L-Acoustics components were used exclusively for sound reinforcement, with almost 200 loudspeaker cabinets deployed around the stadium.

TSE Grupa, founded by ?ukasz Kubiak and Piotr Basek, is not new to large, complex events, with a portfolio that includes International Children's Song and Dance Festival in Konin, and the NATO Summit in Warsaw. According to Basek, TSE was chosen for the Kinder anniversary concert because of an excellent existing relationship with the event's agency, Generations, and another recent anniversary event at the Municipal Stadium in Pozna? for car manufacturer Volkswagen. *Koncert Pe?en Marze?* though, was a much bigger undertaking.

"Initially, we planned a smaller system," explains Basek, "But after modelling the stadium and the sound design in L-Acoustics Soundvision software and talking to the sound team, because of the sheer scale of the event, we decided we needed more power and, consequently, more speakers."



TSE worked closely with Polish equipment supplier and L-Acoustics Certified Provider Distributor, Audio Plus, to get the additional hardware together.

“Audio Plus, and in particular the manager of its concert sound department, Wojtek Mazurek, helped us a lot,” says Basek. “We would not have been able to handle this event using only our own resources. I think Wojtek shipped us every single L-Acoustics speaker available on the Polish market!”



The *Koncert Pe?en Marze?* system consisted of two hangs of 12 K2 for the main PA, supported by 16 ground-stacked SB28 subwoofers, eight either side of the stage in an end-fire configuration. For frontfill, four ARCS Wide were used, and a dozen X12 coaxial enclosures were deployed as monitors. The delays used 117 Kara and 24 Kiva II, and all loudspeakers were powered by LA4X, LA8, and LA12X amplified controllers.

“The whole thing was designed in the L-Acoustics Soundvision application,” notes Mazurek. “Piotr Basek is big fan of Soundvision as it also helps budget the event – something that directly affects the relationship with the

client, and the financial success of the show. The design, implementation, and tuning of such a large system was made possible by excellent customer training, and because L-Acoustics has such a homogeneous, complementary range of technologies.”

“The key feature of the L-Acoustics brand is flexibility,” concludes Basek. “Every component is standard, anywhere in the world, and they operate on one stable network via LA Network Manager. Everything is configured from one computer, so one person has control over the entire audio system, even in such a large facility as the National Stadium; that’s not easy. I have a lot of respect for the National Stadium, but people understate its size; if you leave something in the car, be ready for a fifteen-minute walk. Thankfully this was not the case at the Kinder event. In fact, we packed the sound for the whole stadium, and the whole Kinder anniversary concert, in one optical fibre network. And it worked perfectly!”



### **About L-Acoustics**

Founded in 1984 near Paris, France, L-Acoustics is the market leader in professional sound reinforcement technologies. With over 400 team members worldwide and offices in Paris, London, Los Angeles, and New York, L-Acoustics is present in over 80 countries via our network of Certified Providers. Focused on solutions that elevate the audience experience, more than 20% of L-Acoustics’ talent is devoted to R&D in the areas of acoustics, applications, mechanics, electronics, signal processing, and software development.

Recognized for pioneering the line source array, L-Acoustics continues to shape the future of the professional audio industry with L-ISA Immersive Hyperreal Sound technology, a multidimensional, object-based approach to designing, mixing, and processing sound that results in extremely natural and intelligible audio and a more vibrant, and authentic connection between artists and their fans.

L-Acoustics technologies can be heard in places like the Hollywood Bowl, the NFL Cardinals State Farm Stadium or the Philharmonie de Paris, as well as the world’s top-grossing festivals, and on tour with world-class artists such as Adele, Pearl Jam, Lorde, and Depeche Mode.

