

STADION ESSEN

Company: Fohhn Audio

Location: Essen, Germany

During 2009, work commenced on a massive reconstruction project that would see the Georg-Melches-Stadion in Essen replaced by a brand new complex renamed Stadion Essen.

In the course of its construction, Stadion Essen has been equipped with a range of loudspeaker systems from German manufacturer Fohhn Audio with Düsseldorf-based VR Interkom-Technik Von Ruden taking care of the installation.

The new stadium's two long grandstands have each been equipped with eight Fohhn Arc-Series AT-66 horn-loaded, high performance loudspeaker systems. Designed with stadium, arena and large venue use in mind, these loudspeakers have been selected for their ability to deliver excellent levels of speech intelligibility in difficult acoustic surroundings. Powering the systems in each grandstand are two Bittner 4X1400 amplifiers. In the first of two shorter grandstands, five Fohhn AT-66 loudspeakers have been installed, also powered by two Bittner 4X1400 amplifiers. A second grandstand - which is still under construction - is to be equipped with a similar technology combination. To control the systems, a Fohhn FC-9 digital DSP system controller has been installed. Designed for fixed installation use, the unit's automatic calibration function and integral loudspeaker management system guarantee ease of use, reliability and excellent sound quality.

On the ground floor of the stadium's main building is the Kulturfreunde 97A hospitality area. Here, four Fohhn Linea Series LX-150 line source loudspeakers have been selected for sound coverage. Equipped with four-inch high performance speakers and one-inch compression driver with Fohhn waveguide, the slender LX-150 is notable for its directional sound capabilities and clear reproduction of speech and music, as well as for its ability to integrate unobtrusively into a range of architectural settings.

A total of 16 Fohhn Arc-Series AT-061 loudspeakers have been selected for installation in the Assindia VIP area on the first floor. The flowing shape and compact dimensions of these loudspeakers are complemented by powerful full range sound characteristics, specially designed with conference, AV and surround

applications in mind. As in the hospitality area, these systems have been teamed with three Fohhn XS-30 active subwoofers for additional bass coverage.

Fohhn's compact ceiling speaker range has also been pressed into action for installation in several areas of the stadium. Spectator boxes on the second floor have each been equipped with six Fohhn CS-08 horn-loaded, high output in-ceiling speakers, while other areas used by stadium announcers, police and other security services have each been equipped with four Fohhn compact two-way CS-04 systems.

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