

Naastenbest Sports Center, Best



BOSCH
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Industry:

Entertainment

End User:

Naastenbest Sports Center

The Naastenbest sports center is a multifunctional building that is home to a whole host of sporting activities and is used by sports clubs and schools alike. Up until 2007, it comprised one large sports hall, one small room, catering facilities, changing rooms and circulation areas. At the end of 2007, work got underway to extend the sports center in a bid to keep pace with the rising population in this ever-growing district and fulfill the citizens' requirements. By mid-2008, the dream had become a reality, and the center now has an extra-large sports hall and a separate gymnastics hall. The new halls offer exactly the same functionality and leisure facilities as the existing one. Moreover, both sports halls have permanent stands.

Business Objective:

Before the expansion work was carried out, Naastenbest sports center had a single public address/music system divided into three zones.

This system needed to be replaced with a larger one, as it was not possible simply to extend it.

The new system had to meet the following requirements:

- Multiple connections for the announcement stations
- Integration with the old public address/music system
- Selective transmission of announcements and music
- Linking of the system to the various sports halls

The components of the 'old' sports hall, such as the loudspeakers, had to be integrated into the new system, as did the sports hall zones.

The new public address/music system therefore had to be designed to enable selective music playback and announcements in the various zones. The gymnastics hall was to have its own public address/music system as well.

In addition, the new sports hall and gymnastics hall had to be equipped with a loop system power supply for the hard-of-hearing.

Solution:

In order to fulfill the requirements, a Bosch Plena voice alarm system (VAS) was chosen. This system provides public address/music system functionality for 18 zones and can be extended to 60 zones. A total of 14 zones are currently in use, meaning that future extensions are possible.

The system features a two-channel configuration, enabling an announcement to be played in certain rooms while music continues to play in the others. Those announcements can even be routed to selected zones or the entire center.



A variety of different loudspeakers are used across the different rooms, including the MCS 3500 model (modular ceiling loudspeaker). This loudspeaker has a large opening angle for both announcements and music playback; in addition to delivering perfect acoustic performance, it also has a particularly attractive design. What's more, the new sports hall and stands are equipped with loop system power supplies.

Result:

The Plena VAS system generates excellent sound reproduction for both music and announcements. It delivers the functionality that (end) users want or need. Moreover, Bosch's system made it possible for all other relevant requirements for equipment of its kind to be met.

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