

**BOSE**

PROFESSIONAL

CASE STUDY - SPORTS | **OSKARSHAMN HOCKEY ARENA**







## ARENA OSKARSHAMN AND BE-GE HOCKEY CENTER GET PROFESSIONAL UPGRADE

IK Oskarshamn, a professional hockey club that calls the Arena Oskarshamn and the Be-Ge Hockey Center home, was elevated to the Swedish Hockey League last fall, marking a move to the country's highest level of play—and they needed a new PA system to match. With this goal in mind, Bose Pro partner SAC Nordic was tasked with bringing that vision to life.

Be-Ge Hockey Center is part of multi-sport facility Arena Oskarshamn, which consists of an ice hall, swimming pool with a water park and an artificial football lawn, which converts into an outdoor bandy arena during the winter season.

Oskarshamn's ice hall was built in 1974, and Arena Oskarshamn is the result of a total renovation made in 2004. At ice hockey games, the arena can accommodate up to 3,275 spectators, with seating for 1,692 attendees. During the first season with the newly expanded arena, game attendance increased by an average of more than 450 people per hockey

game. And in early April 2015, a collaboration agreement was reached between IK Oskarshamn and the largest tenet—the Be-Ge Group—resulting in the new facility name of The Be-Ge Hockey Center.

As the team advanced, it became clear they would be changing divisions and move up to the Swedish Hockey League. The time was right to update the arena, which included a modern PA system, before the next season started.

Bose Pro partner SAC Nordic installed the current PA system, which had been in the arena for more than ten years, and the company was contacted to identify a new high-quality, reliable audio solution for the hockey center.





## BRINGING THE ARENA'S SOUND TO THE CUTTING EDGE

SAC Nordic, together with the Bose Professional team in Scandinavia, developed a modular design based upon the calculations and acoustics of the space.

Just before the summer of 2019, two different audio options were presented. Auditor played an essential part in the process of selecting the ideal solution, as the Auditor sound projections allowed the stakeholders and owners of the arena to experience the new PA system in advance. Of the two audio options presented, one was a design based on the Bose LT loudspeaker series, and the other was the new Bose ArenaMatch loudspeakers.

The final decision was the ArenaMatch solution, which provided the highest-quality audio experience the Bose DeltaQ technology. Arena Oskarshamn Be-Ge Hockey Center employed installation company ELAJO to complete the installation in August of 2019, and upon completion, the final tuning and commissioning report was completed by a Bose Professional field engineer.

In total, 14 ArenaMatch arrays now hang in the arena with two boxes per cluster. Five ArenaMatch Utility AMU208 loudspeakers were installed on one of the short sides of the arena,

providing coverage for the VIP lounge. The solution was powered by seven PowerMatch 8500N and one 4500N power amplifiers, along with a ControlSpace ESP-1240AD sound processor. The entire solution was managed by two ControlSpace CC-64 control centers.

## A PROFESSIONAL SOUND SYSTEM TO MATCH A PROFESSIONAL TEAM

IK Oskarshamn now has a PA system to match the club's success on the ice, and the Bose Professional solution helped make that vision a reality.

"Arena Oskarshamn Be-Ge Hockey Center is renowned for its engaged spectators and their cheering. Our goal was also to be renowned for the overall sound experience in the Arena," said Olof Eriksson, Facilities Manager, Oskarshamn municipality. "The new PA system helps us to secure our reputation as the hockey area with the most engaged audience in the Swedish Hockey League."

The ArenaMatch loudspeaker solution successfully addressed multiple logistical hurdles such as reverb issues and audio spread.

"I'm very pleased with the outcome of the total project and the Bose audio solution we provided. In general, this was a challenging type of venue with difficult acoustics and long reverb





that needed to be considered when presenting different setups, but we really nailed it for this project," said Johan Björk, SAC Nordic. "What impressed me the most with the ArenaMatch system is the full spread range it delivers—even with only a few speakers in each array—and the low-frequency bass in each box is amazing."

## SYSTEM COMPONENTS

**ArenaMatch Utility AMU208** loudspeaker

**PowerMatch PM8500N** power amplifier

**PowerMatch PM4500N** power amplifier

**ControlSpace ESP-1240AD** engineered sound processor

**ControlSpace CC-64** control center





Bose Professional serves many different markets, delivering great sound in venues all around the world - performing arts centers, theaters, places of worship, stadiums, restaurants, schools, retail stores, hotels, and corporate buildings.

We know that our pro audio customers depend on us in a unique way. This is your business, your reputation, your livelihood - not just an amp, not just a loudspeaker. So, when you buy a Bose Professional product, you get the full weight of the global Bose Professional team, behind you - our time, support, and attention. We see every purchase as the beginning of a partnership.



**PRO.BOSE.COM**

© 2020 Bose Corporation. 06/2020