



Cavan Arena, Millbrook, ON

Located in central Ontario the new arena was a goal of the community for 25 years. As part of the a great community centre, it contain a NHL size ice pad with seven dressing rooms.

Products Used

- HX-5B Compact Line Array Speaker
- M-864D Digital Stereo Mixer
- M-9000M2 Pre-Amplifier
- DP-SP3 Digital Speaker Processor
- DA-500F-HL Multichannel Power Amplifier
- FB-120 Subwoofer
- BG-2060 Mixer Amplifier
- F-2352C 2-way wide-dispersion ceiling speaker



Purpose

The Township of Cavan Monaghan invested in creating a community centre to that would become of focal point for activities. It include a NHL size ice pad and within that arena a full sound system needed to be designed. The community needed a system that delivered clear sound for guest to understand music and public announcements.

Challenges

The Township had a budget they did not want to exceed, which required our team to attempt different configuration with different equipment until the cost was accepted. They also wanted a powerful enough system to play music and have announcements heard through out the facility. With such a large space and various shapes that formed the building, reverberation was also a concern.

Solution

Our design team worked with the integrator to create a commanding audio output that created the excitement desired. We utilized the HX-5 to provide the sound and drove the speakers with the DA-500 amp. The sound was synthesized through the M-864D stereo mixer and DP-SP3 speaker processor, the quality sound outperformed expectations. For the hallways and dressing rooms the robust F-2352C were used and powered by our reliable BG-2060 mixer amplifier.

Feedback

The arena became a place of pride for the community with many participating in skating events and hockey games. They were very happy with the sound quality and the support they received from TOA.



About TOA Canada Corporation

TOA Corporation was founded in Kobe, Japan over 80 years ago. TOA operates in over 100 countries worldwide, with manufacturing Facilities found in nearly every major market area. These facilities have a reputation for precision design and fabrication, resulting in a Proven track record of TOA product reliability.

TOA Canada Corporation was formed in 1990 as a complete sound solutions provider, specializing in commercial audio, including, Public address, voice communications, voice evacuation and emergency paging requirements. TOA Canada offers complete solutions for all corporate and commercial audio communications and intercom security requirements.